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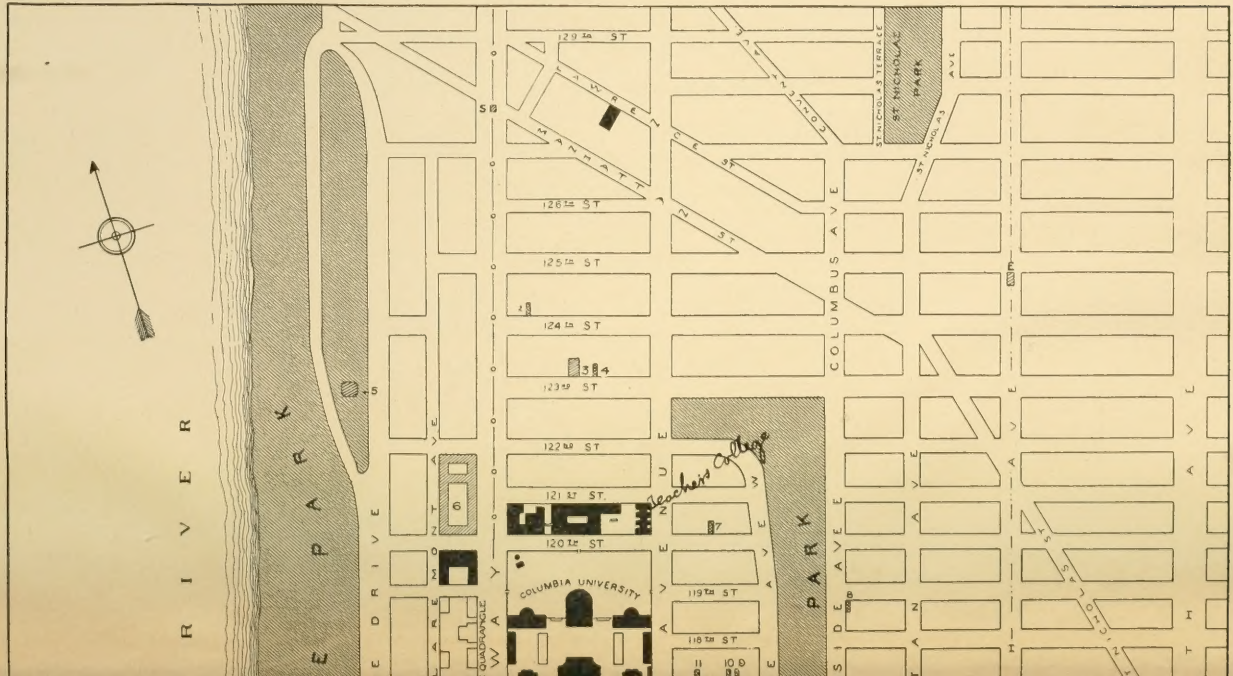

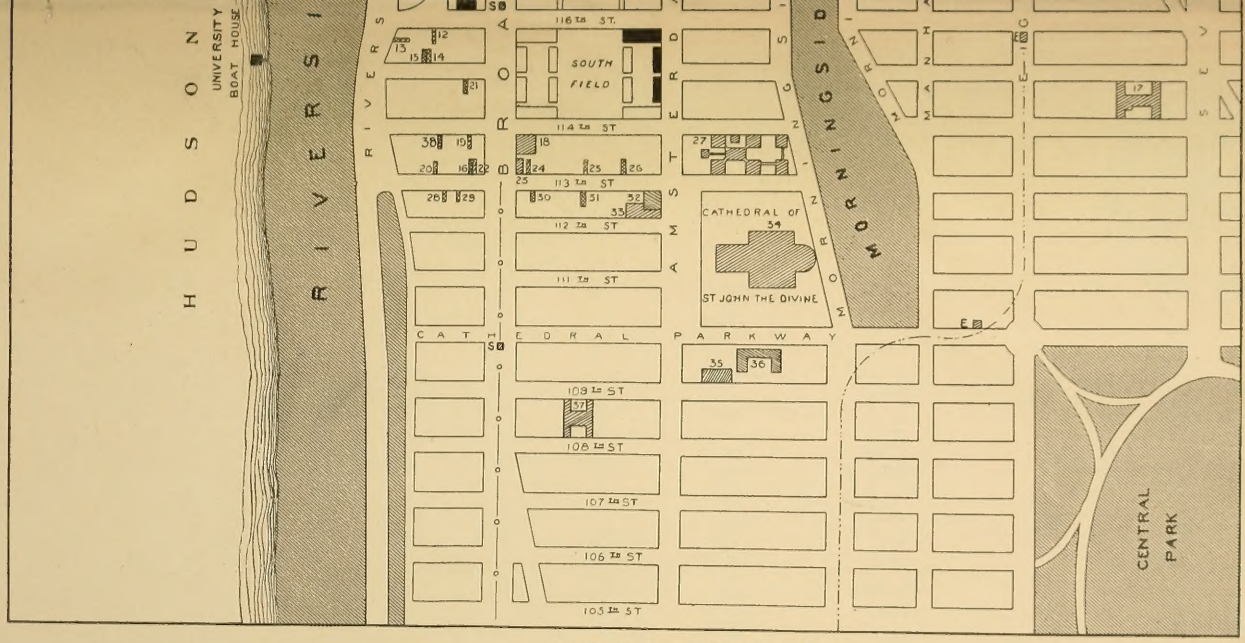

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HAROLD JACOBY.....Rutherfurd Professor of Astronomy
A.B., Columbia, 1885; Ph.D., 1895.

JOHN B. CLARK.....Professor of Political Economy
A.B., Amherst, 1872; Ph.D., 1890; LL.D., 1897; LL.D., Princeton, 1896.

JAMES RIGNALL WHEELER...Professor of Greek Archæology and Art
A.B., Vermont, 1880; Ph.D., Harvard, 1885.

FRANK N. COLE.....Professor of Mathematics
A.B., Harvard, 1882; A.M. and Ph.D., 1886.

JAMES HARVEY ROBINSON.....Professor of History
A.B., Harvard, 1887; A.M., 1888; Ph.D., Freiburg, 1890.

FREDERIC S. LEE.....Professor of Physiology
A.B., St. Lawrence, 1878; A.M., 1881; Ph.D., Johns Hopkins, 1885.

JAMES CHIDESTER EGBERT.....Professor of Latin
A.B., Columbia, 1881; A.M., 1882; Ph.D., 1884.

CALVIN THOMAS...Gebhard Professor of the Germanic Languages and Literatures
A.B., Michigan, 1874; A.M., 1877; LL.D., 1904.

EDWIN B. CRAGIN.....Professor of Obstetrics and Gynecology
A.B., Yale, 1882; A.M., (Hon.) 1907; M.D., Columbia, 1886.

CARLO LEONARDO SPERANZA.....Professor of Italian
Licenziato del Liceo di Padova, 1861; J. D., Padua, 1866; A.M., Columbia, 1887.

[1]BASHFORD DEAN.....Professor of Vertebrate Zoölogy
A.B., College of the City of New York, 1886; A.M., Columbia, 1889; Ph.D., 1890

[2] LUCIEN MARCUS UNDERWOOD.....Torrey Professor of Botany
Ph.B., Syracuse, 1877; Ph.M., 1878; Ph.D., 1879; LL.D. 1906.

WILLIAM MILLIGAN SLOANE.....Seth Low Professor of History
A.B., Columbia, 1868; L.H.D., 1887; A.M. and Ph.D., Leipzig, 1876; LL.D. Princeton, 1903.

HENRY MARION HOWE.....Professor of Metallurgy
B.S., Harvard, 1869; A.M., 1872; LL.D., 1905; B.S., Mass. Institute of Technology, 1871; LL.D., Lehigh, 1905; LL.D., Harvard, 1905.

CHARLES E. PELLEW.....Adjunct Professor of Chemistry
E.M., Columbia, 1884.

EARL B. LOVELL..... Professor of Civil Engineering
C.E., Cornell, 1891.

FRANZ BOAS.....Professor of Anthropology
Ph.D., Kiel, 1881.

JAMES HULME CANFIELD.....Librarian of the University
A.B., Williams, 1868; A.M., 1877; LL.D., 1893; Litt.D., Oxford, 1902.

JOHN FRANCIS WOODHULL..Professor of Physical Science in Teachers College
A.B., Yale, 1880; Ph.D., Columbia, 1890.

[1] Absent on leave. [2] Died November 16, 1907

FRANKLIN THOMAS BAKER.....Professor of the English Language and Literature in Teachers College
A.B., Dickinson, 1885; A.M., 1889; A.M., Columbia, 1900.

RICHARD ELWOOD DODGE.....Professor of Geography in Teachers College
A.B., Harvard, 1890; A.M., 1894.

VIRGIL PRETTYMAN.....Principal of Horace Mann High School with rank of Adjunct Professor in Teachers College
A.B., Dickinson, 1892; A.M., 1895; Pd.D., 1905.

CHARLES EARL BIKLÉ..Adjunct Professor of Mathematics in Teachers College
A.B., Dickinson, 1886; A.M., 1889.

JAMES EARL RUSSELL.....Barnard Professor of Education
A.B., Cornell, 1887; Ph.D., Leipzig, 1894; LL.D., Dickinson, 1903.

HELEN KINNE.....Professor of Domestic Science in Teachers College

MARY SCHENCK WOOLMAN.....Professor of Domestic Art in Teachers College

[1]FRANK M. MCMURRY.....Professor of Elementary Education in Teachers College
Ph.D., Jena, 1889.

CHARLES RUSSELL RICHARDS.....Macy Professor of Manual Training in Teachers College
B.S., Massachusetts Institute of Technology, 1885.

PAUL MONROE.....Professor of the History of Education in Teachers College
B.S., Franklin, 1890; M.S., 1895; Ph.D., Chicago, 1897.

SAMUEL TRAIN DUTTON.....Professor of School Administration in Teachers College
A.B., Yale, 1873; A.M., 1900.

[1]WILLIAM P. TRENT.....Professor of English Literature
M.A., Virginia, 1884; LL.D., Wake Forest, 1899; D.C.L., University of the South, 1905

HERBERT G. LORD.....Professor of Philosophy
A.B., Amherst, 1871; A.M., 1900.

NELSON GLENN MCCREA.....Professor of Latin
A.B., Columbia, 1885; A.M., 1886; Ph.D., 1888.

GONZALEZ LODGE...Professor of Latin and Greek in Teachers College
A.B., Johns Hopkins, 1883; Ph.D., 1886; LL.D., Franklin and Marshall, 1901.

CLARENCE H. YOUNG.....Professor of Greek
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1891.

LIVINGSTON FARRAND.....Professor of Anthropology
A.B., Princeton, 1888; A.M., 1891; M.D., Columbia, 1891.

GEORGE FRANCIS SEVER.....Professor of Electrical Engineering
M.Sc., Columbia, 1905.

JAMES MACLAY.....Professor of Mathematics
C.E., Columbia, 1888; Ph.D., 1899.

MARSTON TAYLOR BOGERT.....Professor of Organic Chemistry
A.B., Columbia, 1890; Ph.B., 1894.

J. LIVINGSTON RUTGERS MORGAN.....Professor of Physical Chemistry
B.S., Rutgers, 1892; A.M. and Ph.D., Leipzig, 1895.

[1] Absent on leave.

[1]BENJAMIN DURYEA WOODWARD ..... Professor of the Romance Languages and Literatures
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1891; B. ès S., Sorbonne, 1885; B. ès L. 1886.

HENRY E. CRAMPTON.....Professor of Zoölogy
A.B., Columbia, 1893; Ph.D., 1899.

EDWARD LEE THORNDIKE.....Professor of Educational Psychology in Teachers College
A.B., Wesleyan, 1895; A.B., Harvard, 1896; A.M., 1897; Ph.D., Columbia, 1898.

[1]CHARLES HUBERT FARNSWORTH.....Adjunct Professor of Music in Teachers College

HENRY S. REDFIELD.....Nash Professor of Law
A.B., Amherst, 1877; A.M., 1887; LL.D., 1901.

[1]DAVID EUGENE SMITH .Professor of Mathematics in Teachers College
Ph.B., Syracuse, 1881; Ph.M., 1884; Ph.D., 1887; LL.D., 1905; M.Pd., Michigan State Normal, 1898.

THOMAS DENISON WOOD.....Professor of Physical Education
A.B., Oberlin, 1888; A.M., 1891; M.D., Columbia, 1891.

LAURA DRAKE GILL.....Dean of Barnard College
A.B., Smith College, 1881; A.M., 1885; D.C.L., University of the South, 1907.

CHARLES THADDEUS TERRY.....Professor of Law
A.B., Williams, 1889; LL.B., Columbia, 1893.

WALTER B. JAMES.....Bard Professor of the Practice of Medicine
A.B., Yale, 1879; M.D., Columbia, 1883; LL.D., 1904; A.M. (Hon.) Yale, 1906.

WILLIAM J. GIES.....Professor of Biological Chemistry
B.S., Pennsylvania College, 1893; M.S., 1896; Ph.B., Yale, 1894; Ph.D., 1897.

WILLIAM T. BREWSTER.....Professor of English
A.B., Harvard, 1892; A.M., 1893.

GEORGE CLINTON DENSMORE ODELL.....Professor of English
A.B., Columbia, 1889; A.M., 1890; Ph.D., 1893.

CHARLES KNAPP.....Professor of Classical Philology
A.B., Columbia, 1887; A.M., 1888; Ph.D., 1890.

L. EMMETT HOLT....Carpentier Professor of the Diseases of Children
A.B., Rochester, 1875; A.M., 1878; M.D., Columbia, 1880; Sc.D., 1904.

AMADEUS W. GRABAU.....Professor of Palæontology
S.B., Massachusetts Institute of Technology, 1896; S.M., Harvard, 1898; S.D., 1900.

HENRY ROGERS SEAGER.....Professor of Political Economy
Ph.B., Michigan, 1890; Ph.D., Pennsylvania, 1894.

HENRY L. MOORE.....Professor of Political Economy
A.B., Randolph-Macon, 1892; Ph.D., Johns Hopkins, 1896.

JOHN DYNELEY PRINCE.....Professor of Semitic Languages
A.B., Columbia, 1888; Ph.D., Johns Hopkins, 1892.

FREDERICK JAMES EUGENE WOODBRIDGE.....Johnsonian Professor of Philosophy
A.B., Amherst, 1889; A.M., 1898; LL.D., 1903.

FRIEDRICH HIRTH.....Dean Lung Professor of Chinese
A.M. and Ph.D., Rostock, 1869.

FELIX ADLER.....Professor of Social and Political Ethics
A.B., Columbia, 1870; Ph.D., Heidelberg, 1873.

[1] Absent on leave

JULIUS SACHS.....Professor of Secondary Education in Teachers College
A.B., Columbia, 1867; A.M., 1871; Ph.D., Rostock, 1871.

RALPH EDWARD MAYER....Adjunct Professor of Mechanical Drawing
C.E., Columbia, 1879.

IRA H. WOOLSON.....Adjunct Professor of Civil Engineering
E.M., Columbia, 1885.

HERBERT MAULE RICHARDS.....Professor of Botany
B.S., Harvard, 1892; Sc.D., 1895.

GARY N. CALKINS.....Professor of Protozoölogy
B.S., Massachusetts Institute of Technology, 1890; Ph.D., Columbia, 1898.

PHILIP HANSON HISS, Jr.....Professor of Bacteriology
A.B., Johns Hopkins, 1891; M.D., Columbia, 1895.

MARGARET E. MALTBY.....Adjunct Professor of Physics in Barnard College
A.B., Oberlin, 1882; A.M., 1891; B.S., Massachusetts Institute of Technology, 1891; Ph.D., Göttingen, 1895.

CASSIUS JACKSON KEYSER.....Adrain Professor of Mathematics
B.S., Missouri, 1892; A.M., Columbia, 1896; Ph.D., 1901.

HERSCHEL C. PARKER.....Adjunct Professor of Physics
Ph.B., Columbia, 1890.

CHARLES AUGUSTUS STRONG.....Professor of Psychology
A.B., Rochester, 1884; A.B., Harvard, 1885.

MARSHALL H. SAVILLE....Loubat Professor of American Archæology

GEORGE L. MEYLAN....Adjunct Professor of Physical Education and Medical Director of the Gymnasium
M.D., New York University, 1896; B.S., Harvard, 1902; A.M., Columbia, 1904.

ERNEST F. NICHOLS.....Professor of Experimental Physics
B.S., Kansas Agricultural College, 1888; M.S., Cornell, 1893; Sc.D., 1897; Sc.D., Dartmouth, 1903.

CHRISTIAN A. HERTER..Professor of Pharmacology and Therapeutics
M.D., Columbia, 1885.

ELIJAH WILLIAM BAGSTER-COLLINS..Adjunct Professor of German in Teachers College
A.B., Brown, 1897; A.M., Columbia, 1898.

MAURICE A. BIGELOW.....Professor of Biology in Teachers College
B.S., Ohio Wesleyan, 1894; M.S., Northwestern, 1896; Ph.D., Harvard, 1901.

FREDERICK H. SYKES.....Director of Extension Teaching and Professor in Teachers College
A.B., Toronto, 1885; A.M., 1886; Ph.D., Johns Hopkins, 1894.

HENRY CARR PEARSON..... Principal of Horace Mann Elementary School with rank of Adjunct Professor in Teachers College
A.B., Harvard, 1892.

JOSEPH A. BLAKE.....Professor of Surgery
A.B., Yale, 1885; Ph.B., 1886; M.D., Columbia, 1889.

SAMUEL W. LAMBERT.....Professor of Applied Therapeutics
A.B., Yale, 1880; Ph.B., 1882; A.M., 1905; M.D., Columbia, 1885.

GEORGE E. BREWER.....Professor of Clinical Surgery
A.B., Hamilton, 1881; A.M., 1882; M.D., Buffalo, 1884; M.D., Harvard, 1885.

VIRGIL P. GIBNEY.....Professor of Orthopædic Surgery
A.B., Kentucky, 1869; A.M., 1872; LL.D., 1899; M.D., Bellevue, 1871.

WILLIAM K. SIMPSON.....Professor of Laryngology
M.D., Columbia, 1880.

ARNOLD H. KNAPP.....Professor of Ophthalmology
A.B., Harvard, 1889; M.D., Columbia, 1892.

GORHAM BACON.....Professor of Otology
A.B., Harvard, 1875; M.D., Bellevue, 1878.

JAMES R. HAYDEN.....Professor of Genito-Urinary Diseases
M.D., Columbia, 1884.

EUGENE HODENPYL.....Adjunct Professor of Pathological Anatomy
M.D., Columbia, 1885.

HERMANN T. VULTÉ.....Adjunct Professor of Domestic Science in Teachers College
Ph.B., Columbia, 1881; Ph.D., 1885.

FRANCIS CARTER WOOD.....Professor of Clinical Pathology
B.S., Ohio State, 1891; M.D., Columbia, 1894.

LEA MCILVAINE LUQUER.....Adjunct Professor of Mineralogy
C.E., Columbia, 1887; Ph.D., 1894.

LOUIS AUGUSTE LOISEAUX.....Adjunct Professor of the Romance Languages and Literatures
B.S., Dijon, 1894.

WILLIAM ADDISON HERVEY.....Adjunct Professor of the Germanic Languages and Literatures
A.B., Columbia, 1893; A.M., 1894.

FREDERICK R. BAILEY.....Adjunct Professor of Histology and Embryology
A.B., Princeton, 1892; A.M., 1893; M.D., Columbia, 1895.

RUDOLF TOMBO, Jr....Adjunct Professor of the Germanic Languages and Literatures
B.S., College of the City of New York, 1895; M.S., 1899; A.M., Columbia, 1898; Ph.D., 1901.

BRADLEY STOUGHTON.....Adjunct Professor of Metallurgy
Ph.B., Yale, 1893; B.S., Massachusetts Institute of Technology, 1896.

JOHN ANGUS MAC VANNEL.....Professor of the Philosophy of Education in Teachers College
A.B., Toronto, 1893; A.M., 1894; Ph.D., Columbia, 1898.

RUSSELL BURTON-OPITZ.....Adjunct Professor of Physiology
M.D., Chicago, 1895; B.S., 1898; M.S., 1902; Ph.D., 1905.

LEONARD BEECHER MCWHOOD.....Adjunct Professor of Music
A.B., Columbia, 1893.

JOEL ELIAS SPINGARN...Adjunct Professor of Comparative Literature
A.B., Columbia, 1895; Ph.D., 1899.

MAXIMILIAN K. KRESS.....Adjunct Professor of Architecture
A.M., Rutgers, 1895.

GEORGE N. OLCOTT.....Adjunct Professor of Latin
A.B., Columbia, 1893; Ph.D., 1899.

THOMAS HUNT MORGAN.....Professor of Experimental Zoölogy
B.S., State College of Kentucky, 1886; Ph.D., Johns Hopkins, 1891.

[1] GEORGE STUART FULLERTON.....Professor of Philosophy
B.A., Pennsylvania, 1879; M.A., 1882; B.D., Yale, 1883; Ph.D., Muhlenburg, 1892; LL.D., 1900.

JEFFERSON B. FLETCHER.....Professor of Comparative Literature
A.B., Harvard, 1887; A.M., 1889.

[1] Absent on leave.

HARRY MCMAHON PAINTER.....Professor of Clinical Obstetrics
A.B., Yale, 1884; Ph.B., 1885; M.D., Columbia, 1888.

CHARLES LANE POOR.....Professor of Astronomy
B.S., College of the City of New York, 1886; M.S., 1890; Ph.D., Johns Hopkins, 1892.

CORNELIUS RÜBNER.....Professor of Music

ARTHUR WESLEY DOW....Professor of Fine Arts in Teachers College

JOHN DEWEY.....Professor of Philosophy
A.B., Vermont, 1879; Ph.D., Johns Hopkins, 1884; LL.D., University of Wisconsin, 1904.

HENRY H. RUSBY.....Professor of Materia Medica in the College of Pharmacy
M.D., University Medical College of New York, 1884.

VIRGIL COBLENTZ.....Professor of Chemistry in the College of Pharmacy
A.B., Wittenberg, 1880; Ph.G., Philadelphia College of Pharmacy, 1882; Phar.M., 1894; A.M., Ph.D., University of Berlin, 1891.

GEORGE C. DIEKMAN.....Professor of Pharmacy in the College of Pharmacy
Ph.G., New York College of Pharmacy, 1888; M.D., Columbia, 1891.

JOHN OEHLER.....Adjunct Professor of Chemistry in the College of Pharmacy
Ph.G., New York College of Pharmacy, 1879.

JAMES S. C. WELLS.....Adjunct Professor of Analytical Chemistry
Ph.B., Columbia, 1875; Ph.D., 1877.

JOSEPH C. PFISTER.....Adjunct Professor of Mechanics
A.B., Columbia, 1889; A.M., 1890.

HENRY CLAPP SHERMAN.....Professor of Organic Analysis
B.S., Maryland Agricultural College, 1893; A.M., Columbia, 1896; Ph.D., 1897.

WILLIAM ROBERT SHEPHERD.....Adjunct Professor of History
A.B., Columbia, 1893; A.M., 1894; Ph.D., 1896.

FRANK LEO TUFTS.....Adjunct Professor of Physics
B.S., Antioch, 1891; A.B., Harvard, 1894; A.M., Columbia, 1896; Ph.D., 1897.

JAMES T. SHOTWELL.....Adjunct Professor of History
A.B., Toronto, 1898; Ph.D., Columbia, 1903.

GEORGE W. BOTSFORD.....Adjunct Professor of History
A.B., Nebraska, 1884; A.M., 1889, Ph.D., Cornell, 1891.

ALBERT P. WILLS.....Adjunct Professor of Mechanics
B.E.E., Tufts, 1894; Ph.D., Clark, 1897.

ROBERT SESSIONS WOODWORTH.....Adjunct Professor of Psychology
A.B., Amherst, 1891; A.B., Harvard, 1896; A.M., 1897; Ph.D., Columbia, 1899.

BERN B. GALLAUDET.....Adjunct Professor of Anatomy and Clinical Lecturer and Instructor in Surgery
A.B., Trinity, 1880; A.M., 1883; M.D., Columbia, 1884.

SAMUEL A. TUCKER.....Adjunct Professor of Electro-Chemistry
Ph.B., Columbia, 1895.

HENRY BEDINGER MITCHELL.....Adjunct Professor of Mathematics
E.E., Columbia, 1898; A.M., 1900.

VLADIMIR G. SIMKHOVITCH....Adjunct Professor of Economic History
Ph.D., Halle-Wittenberg, 1898.

EDWARD THOMAS DEVINE.....Schiff Professor of Social Economy
B.A., Cornell College, Iowa, 1887; M.A., 1890; LL.D. 1904; Ph.D., Pennsylvania, 1895.

HERMON C. BUMPUS.....Director of the American Museum of Natural History
B.A., Brown, 1884; Ph.D., Clark, 1890.

CHARLES F. MCKIM.....Director of Atelier
Litt.D., Columbia, 1904.

THOMAS HASTINGS.....Director of Atelier
Diplomé de l' École des Beaux-Arts, 1884.

FRANK W. JACKSON.....Professor of Clinical Medicine
A.B., Yale, 1876; M.D., Columbia, 1879.

ADOLPH BLACK.....Adjunct Professor of Civil Engineering
C.E., Columbia, 1894.

JOHN HENRY LARKIN....Adjunct Professor of Pathological Anatomy
A.B., Manhattan, 1891; M.D., Columbia, 1894.

CHARLES EDWARD LUCKE .Adjunct Professor of Mechanical Engineering
B.S., College of the City of New York, 1895; M.S., New York University, 1899; Ph.D., Columbia, 1902.

EDWARD KASNER.....Adjunct Professor of Mathematics
B.S., College of the City of New York, 1896; A.M., Columbia, 1897; Ph.D., 1899.

CURTIS HIDDEN PAGE.....Adjunct Professor of the Romance Languages and Literatures
A.B., Harvard, 1890; A.M., 1891; Ph.D., 1894.

ASHLEY HORACE THORNDIKE.....Professor of English
A.B., Wesleyan, 1893; A.M., Harvard, 1896; Ph.D., 1898.

WALTER RAUTENSTRAUCH.....Adjunct Professor of Mechanical Engineering
B.S., University of Missouri, 1902; M.S., University of Maine, 1903.

HENRY JOHNSON.....Professor of History in Teachers College
B.L., University of Minnesota, 1889; A.M., Columbia, 1902.

DAVID SAMUEL SNEDDEN.....Adjunct Professor of Educational Administration in Teachers College
A.B., St. Vincent's College, 1890; A.B., Leland Stanford Junior University, 1897; A.M., Columbia, 1901; Ph.D., 1907.

MARY ADELAIDE NUTTING.....Professor of Domestic Administration in Teachers College

EDWARD R. SMITH.....Reference Librarian, Avery Architectural Library
A.B., Amherst, 1876.

FREDERICK DIELMAN.....President of the National Academy of Design

SIR CASPAR PURDON CLARKE .....Director of the Metropolitan Museum of Art

EDWARD ROBINSON.....Assistant Director of the Metropolitan Museum of Art
A.B. Harvard, 1879; LL.D., University of Aberdeen, 1905.

ANTON VORISEK .....Professor of Analytical Chemistry in the College of Pharmacy
Phar.G., New York College of Pharmacy, 1898; Phar.D., 1902.

FREDERICK ARTHUR GOETZE.....Dean of the Faculty of Applied Science and Consulting Engineer
M.Sc., Columbia, 1905.

FREDERICK PETERSON.....Professor of Psychiatry
M.D., Buffalo, 1879; Ph.D., Niagara, 1893.

JAMES D. VOORHEES.....Adjunct Professor of Obstetrics
A.B., Princeton, 1890; A.M., 1893; M.D., Columbia, 1893.

ROYAL WHITMAN.....Adjunct Professor of Orthopaedic Surgery
M.D., Harvard, 1882.

PEARCE BAILEY.....Adjunct Professor of Neurology
A.B., Princeton, 1886; A.M., 1889; M.D., Columbia, 1889.

GEORGE R. LOCKWOOD.....Adjunct Professor of Clinical Medicine
A.B., College of the City of New York, 1881; M.D., Columbia, 1884.

WILLIAM K. DRAPER.....Adjunct Professor of Clinical Medicine
A.B., Harvard, 1885; M.D., Columbia, 1888.

VAN HORNE NORRIE.....Adjunct Professor of Clinical Medicine
A.B., Columbia, 1885; M.D., 1889.

DANIEL JORDAN.....Adjunct Professor of the Romance Languages and Literatures
B.S., University of France, 1888; Pd.B., University of the State of New York, 1893.

ARTHUR F. J. REMY.....Adjunct Professor of Germanic Philology
A.B., College of the City of New York, 1890; A.M., Columbia, 1897; Ph.D., 1901.

WILLIAM CAMPBELL.....Adjunct Professor of Metallography
B.S., Durham College of Science, 1898; Sc.D., 1905; M.Sc., Royal School of Mines, 1903; Ph.D., Columbia, 1903; A.M., 1905.

WILLIAM PEPPERRELL MONTAGUE.....Adjunct Professor of Philosophy
A.B., Harvard, 1896; A.M., 1897; Ph.D., 1898.

WILLIAM W. LAWRENCE.....Adjunct Professor of English
A.B., Bowdoin College, 1898; A.M., Harvard, 1900; Ph.D., 1903.

JAMES HOWARD MCGREGOR.....Adjunct Professor of Zoölogy
B.S., Ohio State, 1894; A.M., Columbia, 1896; Ph.D., 1899.

GEORGE PHILIP KRAPP.....Adjunct Professor of English
A.B., Wittenberg College, 1894; A.M., 1897; Ph.D., Johns Hopkins, 1899.

CHARLES A. BEARD.....Adjunct Professor of Politics
Ph.B., De Pauw University, 1898; A.M., Columbia, 1903; Ph.D., 1904

DICKINSON S. MILLER.....Professor of Philosophy
A.B. and A.M., Harvard, 1892; Ph.D., Halle, 1893.

GRACE A. HUBBARD.....Adjunct Professor of English in Barnard College
A.B., Smith, 1887; A.M., Cornell, 1893.

NATHAN ABBOTT.....Professor of Law
A.B., Yale, 1877; LL.B., Boston University, 1893.

SIMON BARUCH.....Professor of Hydrotherapy
M.D., University of Virginia, 1862.

HARRY A. CUSHING.....Professor of Law
A.B., Amherst, 1891; A.M., Columbia, 1894; Ph.D., 1896; LL.B., 1901.

ARTHUR TWINING HADLEY, LL.D....Theodore Roosevelt Professor of American History and Institutions in the University of Berlin for the year 1907–08
President of Yale University.

K. G. RUDOLF LEONHARD, J.U.D.....Kaiser Wilhelm Professor of German History and Institutions for the year 1907–08
Professor of Legal Science in the University of Breslau.

SAMUEL MCCUNE LINDSAY.....Professor of Social Legislation
Ph.B., University of Pennsylvania, 1889; Ph.D., Halle, 1892.

WILLIAM MANSFIELD, Phar.D.....Acting Professor of Pharmacognosy in the College of Pharmacy

MRS. MARY K. SIMKHOVITCH.....Adjunct Professor of Social Economy in Barnard College
B.A., Boston University, 1890.

GEORGE D. STRAYER.....Adjunct Professor of Elementary Education in Teachers College
A.B., Johns Hopkins, 1903; Ph.D., Columbia, 1905.

HENRY SUZZALLO.....Adjunct Professor of Elementary Education in Teachers College
A.B., Stanford, 1899; A.M., Columbia, 1902; Ph.D., 1905.

MABEL F. WEEKS....Adjunct Professor of English in Barnard College
A.B., Radcliffe, 1894.

CLINTON B. KNAPP.....Professor of Bacteriology in the College of Pharmacy
M.D., Columbia, 1902

HERMANN VON W. SCHULTE.....Adjunct Professor of Anatomy
A.B., Trinity, 1897; M.D., Columbia, 1902

RICHARD C. MACLAURIN.....Professor of Mathematical Physics
M.A., Auckland University College ; LL. M., Cambridge University, ; LL.D.,
(221)

Special Lecturers for 1907-08

JOHN C. GRAY, A.B., LL.B., LL.D.....Lecturer on the Carpentier Foundation

JEREMIAH W. JENKS, Ph.D., LL.D.....Lecturer on the George Blumenthal Foundation

SAMUEL W. MCCALL, A.B.....Lecturer on the George Blumenthal Foundation
(3)

Clinical Professors and Lecturers

FRANCIS P. KINNICUTT.....Professor of Clinical Medicine
A.B., Harvard, 1868; A.M., 1872; M.D., Columbia, 1871.

FRANK HARTLEY.....Professor of Clinical Surgery and Instructor in Operative Surgery
A.B., Princeton, 1877; M.D., Columbia, 1880.

[1] FRANCIS H. MARKOE.....Professor of Clinical Surgery
A.B., Princeton, 1876; M.D., Columbia, 1879.

JOHN S. THACHER.....Professor of Clinical Medicine
A.B., Yale, 1877; M.D., Columbia, 1880.

WALTER F. CHAPPELL.....Clinical Professor of Laryngology
M.D., University of Toronto, 1879.

ANDREW J. MCCOSH.....Professor of Clinical Surgery
A.B., Princeton, 1877; A.M., 1880; M.D., Columbia, 1880; LL.D., 1904.

PORTER F. CHAMBERS.....Clinical Professor of Gynecology
M.D., Bellevue Hospital Medical College, 1876.

[1] Died September 13, 1907

FRANCIS HUBER.....Professor of Clinical Medicine
B.S., College of the City of New York, 1873; M.D., College of Physicians and Surgeons. 1877

CHARLES T. POORE.....Clinical Lecturer in Surgery
M.D., Columbia, 1866; A.M., Williams, 1891.

ROBERT ABBE.....Clinical Lecturer in Surgery
A.B., College of the City of New York, 1870; M.D., Columbia, 1874.

WILLIAM B. COLEY.....Clinical Lecturer in Surgery
A.B., Yale, 1884; M.D., Harvard, 1888.

LUCIUS W. HOTCHKISS....Clinical Lecturer and Instructor in Surgery
A.B., Columbia, 1881; M.D., 1884.

JOHN B. WALKER.....Clinical Lecturer and Instructor in Surgery
A.B., Harvard, 1884; M.D., 1888.

FRANK R. OASTLER...Clinical Lecturer and Instructor in Gynecology
A.B., Yale, 1891; M.D., Columbia, 1894.

(13)

Instructors

Note—For the Instructors and other Officers not of Professorial Grade in Teachers College, in the College of Pharmacy, and in the Summer Session, see the Table of Contents.

CHARLES A. HARRIMAN.....Instructor in Architecture
EDWARD LEAMING, M.D.....Instructor in Photography
ROBERT LEWIS, Jr., M.D.....Chief of Clinic and Instructor in Otology
CHARLES PRENTICE BENNS, M.E.....Instructor in Shop-Work in Teachers College
CHARLES NORTH DOWD, M.D.....Instructor in Surgery
GEORGE MONTAGUE SWIFT, M.D.....Instructor in Medicine
RICHARD FROTHINGHAM, M.D.....Instructor in Laryngology
CHARLES CONRAD SLEFFEL..Instructor in Forging in Teachers College
CHARLES W. WEICK, B.S.....Instructor in Wood-working and Pattern-making in Teachers College
WALTON MARTIN, M.D.....Instructor in Surgery
ALBERT E. SUMNER, M.D.....Instructor in Physical Diagnosis
E. MILTON FOOTE, M.D.....Instructor in Surgery
ALFRED S. TAYLOR, M.D..Assistant Instructor in Operative Surgery
EDWARD LAWRENCE KURTZ, E.M.....Instructor in Mining
ARTHUR M. SHRADY, M.D.....Chief of Clinic and Instructor in Hydrotherapy
RICHARD H. CUNNINGHAM, M.D.....Chief of Clinic and Instructor in Electro-Physiology and in Neurology
HENRY WOOLFE BERG, M.D.....Instructor in Contagious Diseases
LINNAEUS EDFORD LA FETRA, M.D...Chief of Clinic and Instructor in the Diseases of Children
CHARLES C. TROWBRIDGE, M.S.....Instructor in Physics
NORMAN E. DITMAN, M.D.....Instructor in Pathology
A. EMIL SCHMITT, M.D.....Assistant Instructor in Operative Surgery
WARD A. HOLDEN, M.D.....Chief of Clinic and Instructor in Ophthalmology

FRANK S. MATHEWS, M.D. . . . . Instructor in Gynecology
HOWARD C. TAYLOR, M.D. . . . . Instructor in Gynecology
HENRY H. TYSON, M.D. . . . . Instructor in Ophthalmology
FORBES HAWKES, M.D. . . . . Instructor in Surgery
CLARENCE A. MCWILLIAMS, M.D. . . . . Instructor in Surgery
ADAM M. MILLER, A.M. . . . Instructor in Histology and Embryology
ADRIAN VAN SINDEREN LAMBERT, M.D. . . . . Instructor in Surgery
CARLETON P. FLINT, M.D. . . . . Instructor in Surgery
EUGENE HILLHOUSE POOL, M.D. . . . . Instructor in Surgery
OLIVER S. STRONG, Ph.D. . . . . Instructor in Histology and Embryology
ALFRED NEWTON RICHARDS, Ph.D. . . . . Instructor in Pharmacology
MARIE REIMER, Ph.D. . . . . Instructor in Chemistry in Barnard College
AUGUSTUS B. WADSWORTH, M.D. . . . . Instructor in Bacteriology
JAMES C. AYER, M.D. . . . . Instructor in Surgery and Assistant Instructor in Operative Surgery
GEORGE SLOAN DIXON, M.D. . . . . Instructor in Otology
T. STUART HART, M.D. . . . . Instructor in Physical Diagnosis
WILLIAM P. HEALY, M.D. . . . . Instructor in Gynecology
JOHN HOWLAND, M.D. . . . . Instructor in Contagious Diseases
JAMES A. MILLER, M.D. . . . . Instructor in Physical Diagnosis
CHARLES J. PROBEN, M.D. . . . . Instructor in Gynecology
GEORGE H. RYDER, M.D. . . . . Instructor in Gynecology
WILLIAM SKARSTROM, M.D. . . . . Instructor in Physical Education
SAMUEL W. THURBER, M.D. . . . . Chief of Clinic and Instructor in Laryngology
PERCY R. TURNURE, M.D. . . . . Chief of Clinic and Instructor in Surgery
HENRY BARGY, A.M. . . . . Instructor in the Romance Languages and Literatures
GEORGE H. LING, Ph.D. . . . . Instructor in Mathematics
NATHANIEL B. POTTER, M.D. . . . . Instructor in Medicine
FRED. P. SOLLEY, M.D. . . . . Instructor in Medicine
[1] GEORGE BRAXTON PEGRAM, Ph.D. . . . . Instructor in Physics
GERTRUDE M. HIRST, Ph.D. . . . . Instructor in Classical Philology in Barnard College
WALTER A. BASTEDO, M.D. . . . . Instructor in Materia Medica and Pharmacology and Assistant in Applied Therapeutics
WILLIAM COGSWELL CLARKE, M.D. . . . . Instructor in Surgery
WALTER R. CRANE, Ph.D. . . . . Instructor in Mining
JOHN W. DRAPER MAURY, M.D. . . Instructor in Experimental Surgery
EDWARD LIVINGSTON HUNT, M.D. . . . . Instructor in Neurology
ROWLAND COX, M.D. . . . . Assistant Instructor in Operative Surgery
JAMES H. KENYON, M.D. . . . Assistant Instructor in Operative Surgery
CHARLES P. WARREN, A.M. . . . . Instructor in Architecture

[1] Absent on leave

Carlton Clarence Curtis, Ph.D. . . . . Instructor in Botany
S. Alfred Mitchell, Ph.D . . . . . Instructor in Astronomy
Wilhelm Alfred Braun, Ph.D. . . . . Instructor in the Germanic Languages and Literatures
Henry S. Patterson, M.D. . . . . Chief of Clinic and Instructor in Materia Medica and Therapeutics
William R. Williams, M.D. . . . . Instructor in Materia Medica and Therapeutics
Morton Arendt, E.E. . . . . Instructor in Electrical Engineering
Nellis B. Foster, M.D. . . . Instructor in Biological Chemistry and Assistant in Applied Therapeutics
Lewis F. Frissell, M.D. . . . . Instructor in Physical Diagnosis
Walter S. Reynolds, M.D. . . . . Chief of Clinic and Instructor in Genito-Urinary Diseases
Linsly Rudd Williams, A.M., M.D. . . . Chief of Clinic and Instructor in Medicine
Charles H. Jaeger, M.D. . . . . Chief of Clinic and Instructor in Orthopædic Surgery
John Driscoll Fitz-Gerald, II, Ph.D., ... Instructor in the Romance Languages and Literatures
Victor J. Chambers, Ph.D. . . . . Instructor in Organic Chemistry
Everett J. Hall . . . . . Instructor in Assaying
Tracy Elliot Hazen, Ph.D . . . . . Instructor in Botany
Bergen Davis, Ph.D . . . . . Instructor in Physics
Charles P. Berkey, Ph.D . . . . . Instructor in Geology
Floyd J. Metzger, Ph.D. . . . . Instructor in Analytical Chemistry
Karl M. Vogel, M.D. . . . . Instructor in Pathology
Howard D. Collins, M.D . . . . . Instructor in Surgery
George H. McFarland, Jr., M.D. . . . . Instructor in Obstetrics
Raymond C. Osburn, Ph.D . . . . . Instructor in Zoölogy
Harry L. Parr, A.B., Mech.E . . . . . Instructor in Mechanical Engineering
T. Laurance Saunders, M.D . . . . . Instructor in Otology
Harmon Smith, M.D. . . . . Instructor in Clinical Laryngology

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Demonstrators

Henry E. Hale, M.D. . . . . Demonstrator of Anatomy
Haven Emerson, M.D. . . . . Demonstrator of Physiology and Assistant in Medicine
William Darrach, M.D. . . . . Demonstrator of Anatomy and Instructor in Surgery
Leander H. Shearer, M.D. . . . . Demonstrator of Physiology and Assistant in Medicine
Arthur Walker Bingham, A.B., M.D. . . . . Demonstrator of Physiology

Charles Russell Lowell Putnam, M.D. . . Demonstrator of Anatomy
Harry M. Keator, M.D. . . . . Demonstrator of Physiology
Horst Oertel, M.D. . . . . Demonstrator in Pathological Anatomy
Frederick T. Van Beuren, Jr., M.D. . . . . Demonstrator of Anatomy and Assistant in Surgery
Joseph Grant Yocum, M.D. . . . . Demonstrator of Physiology
Theordore J. Abbott, M.D. . . . . Demonstrator of Physiology
Eugene L. Opie, M.D. . . . . Demonstrator of Pathological Anatomy
(12)

Tutors

Samuel Osgood Miller, C.E. . . . . Tutor in Drawing
Cavalier Hargrave Joüet, Ph.D. . . . Tutor in Analytical Chemistry
David Bovaird, M.D. . . . . Tutor in Medicine
Evan M. Evans, M.D. . . . . Tutor in Medicine
Edmund L. Dow, M.D. . . . . Tutor in Medicine
Thomas H. Harrington, C.E. . . . . Tutor in Drawing
Arthur Colon Neish, Ph.D. . . . . Tutor in Chemistry
[1]Virginia C. Gildersleeve, A.M. . . . . Tutor in English in Barnard College
Charles H. Ellard, A.M. . . . . Tutor in Analytical Chemistry
Hal T. Beans, Ph.D. . . . . Tutor in Analytical Chemistry
Roscoe Guernsey, Ph.D. . . . . Tutor in Greek
Henri F. Muller, B. ès L. . . . Tutor in the Romance Languages and Literatures
Eleanor Keller, A.B. . . . . Tutor in Chemistry in Barnard College
Frank S. Meara, M.D. . . . . Tutor in the Diseases of Children
Maurice A. Lamme, B.S. . . . . Tutor in Mineralogy
Frederick W. J. Heuser, A.M. . . . . Tutor in the Germanic Languages and Literatures
Arthur Ray Maxson, A.M. . . . . Tutor in Mathematics
Edward F. Kern, B.S., Ph.D. . . . . Tutor in Metallurgy
Ida Helen Ogilvie, Ph.D. . . . . Tutor in Geology in Barnard College
Margaret A. Reed, A.B. . . . . Tutor in Zoölogy in Barnard College
Alvan A. Tenney, Ph.D. . . . . Tutor in Sociology
John G. Gill, Ph.D. . . . . Tutor in the Romance Languages and Literatures
T. Leslie Shear, Ph.D. . . . . Tutor in Classical Philology
Lewis P. Siceloff, A.B. . . . . Tutor in Mathematics
Harold C. Brown, Ph.D. . . . . Tutor in Philosophy
Pauline Hamilton Dederer, A.M. . . . Tutor in Zoölogy in Barnard College
Alexander O. Bechert, A.M. . . . . Tutor in the Germanic Languages and Literatures
Samuel R. Williams, Ph.D. . . . . Tutor in Physics

[1] Absent on leave

WILLIAM N. BERG, Ph.D.....Tutor in Biological Chemistry
MARION E. LATHAM, A.M.....Tutor in Botany in Barnard College
CHARLES E. MORRISON, C.E., A.M.....Tutor in Civil Engineering
OTTO KRESS, B.S., A.M.....Tutor in Chemistry
ERNEST S. BATES, A.M.....Tutor in English
EDGAR S. DOWNS, Ph.D.....Tutor in Electrical Engineering
EDWARD J. KUNZE, B.S., M.E.....Tutor in Mechanical Engineering
ALLEN W. PORTERFIELD, A.M.....Tutor in the Germanic Languages and Literatures
EDGAR H. STURTEVANT, Ph.D.....Tutor in Classical Philology
KAUFMAN G. FALK, Ph.D.....Tutor in Physics
WILLIAM C. KRATHWOHL, A.B.....Tutor in Mathematics
(39)

Lecturers and other Special Officers of Instruction

ABRAHAM YOHANNAN, Ph.D.....Lecturer in Oriental Languages
GEORGE JAMES BAYLES, Ph.D.....Lecturer in Ecclesiology
ALEXIS A. JULIEN, Ph.D.....Curator in Geology
ERNST D. RICHARD, Pd.D.....Lecturer on the History of German Civilization
CHARLES FORBES, M.D.....Curator in Physics
CLARK WISSLER, Ph.D.....Lecturer in Anthropology
ADOLPH F. BANDELIER.....Lecturer in American Archæology
BERTHOLD LAUFER, Ph.D.....Lecturer in Chinese
JOHN V. VAN PELT, Diplomé E.D. B.-A.....Associate Director of Atelier
WILLIAM B. PARKER, A.B.....Lecturer in English
ALGERNON DE V. TASSIN, A.M.....Lecturer in English
MYRON SAMUEL FALK, Ph.D.....Lecturer in Civil Engineering
WENDELL T. BUSH, Ph.D.....Lecturer in Philosophy
Robert J. Lau, Ph.D.....Lecturer in Semitic Languages
WILLIAM ADAMS DELANO, A.B.....Associate Director of Atelier
DINO BIGONGIARI, A.B...Lecturer in Latin and the Romance Languages and Literatures
GOLDTHWAITE H. DORR, A.B., LL.B.....Lecturer in Law
JOHN L. GERIG, Ph.D....Lecturer in the Romance Languages and Literatures
WILLIAM JAMES, M.D., LL.D....Non-resident Lecturer in Psychology
FRANCIS A. NELSON, B.S..Diplomé E.D.B.-A. Lecturer in Architecture
ALLAN F. WESTCOTT, A.M.....Lecturer in English
CARLTON HUNTLEY HAYES, A.M.....Lecturer in History
WILLIAM S. DAY, Ph.D.....Lecturer in Physics
WILLIAM K. GREGORY, A.M.....Lecturer in Zoölogy
GEORGE W. HARTWELL, A.M.....Lecturer in Mathematics
MAUDE A. HUTTMANN, A.M.....Lecturer in History in Barnard College

EUGENE E. AGGER, Ph.D. ..... Lecturer in Political Economy
ROBERT E. CHADDOCK, A.M. ..... Lecturer in Political Economy
HAROLD S. DAVIDSON, Ph.D. ..... Gustav Gottheil Lecturer in Semitic Languages
ARTHUR O. LOVEJOY, A.M. ..... Lecturer in Philosophy
THOMAS R. POWELL, A.B., LL.B. ..... Lecturer in Public Law
FREDERICK H. GETMAN, Ph.D. ..... Lecturer in Physics
HERBERT H. WOODROW, A.B. ..... Lecturer in Psychology
HARVEY WILEY CORBETT, B.S., Diplomé E.D. B.-A. ..... Associate
(34) Director of Atelier

Assistants

FLORA E. HARPHAM, A.M. ..... Computor at the Observatory
D. STUART DODGE JESSUP, M.D. ..... Assistant in Clinical Pathology and in Medicine
CHARLES E. BANKER, M.D. ..... Assistant in Histology
WILLIAM C. UHLIG, Ph.D. ..... Assistant in Analytical Chemistry
CHARLES H. SMITH, M.D. ..... Assistant in Histology and Embryology
WILLIAM H. WELKER B.S. ..... Assistant in Biological Chemistry
HANS ZINSSER, A.M., M.D. ..... Assistant in Bacteriology and Hygiene
JAMES S. MACGREGOR, M.S. ..... Assistant in Civil Engineering
MORRIS F. WEINRICH, Mech. E., A.M. ..... Assistant in Drawing
JULIAN BLANCHARD, A.B. ..... Assistant in Physics
HERMON W. FARWELL, A.M. ..... Assistant in Physics
ALICE HASKELL, A.B. ..... Assistant in English in Barnard College
JAMES M. KENT, M.D. ..... Assistant in Applied Therapeutics
WILLIAM R. MAY, M.D. ..... Assistant in Applied Therapeutics
CHARLES V. MORRILL, Jr., A.M. ..... Assistant in Zoölogy
LEIGHTON B. MORSE, Ph.B. ..... Assistant in Physics
CORNELIS OFFERHAUS, Ph.D. ..... Assistant in Metallurgy
GRACE P. REYNOLDS, A.M. ..... Assistant in Chemistry in Barnard College
AUSTEN FOX RIGGS, A.B., M.D. ..... Assistant in Medicine
J. EDWIN SINCLAIR, B.S. ..... Assistant in Analytical Chemistry
ELIZABETH I. THOMPSON, A.B. ..... Assistant in Botany in Barnard College
WARNER BROWN, A.M. ..... Assistant in Psychology
CHESTER ARTHUR DARLING, A.M. ..... Assistant in Botany
ADOLPHE MONELL SAYRE, A.B. ..... Assistant in English
GRACE LANGFORD, S.B. ..... Assistant in Physics in Barnard College
PETER IRVING, M.D. ..... Assistant in Clinical Pathology
HENRY VAN V. HOLCOMB, M.D. ..... Assistant in Surgery
JAMES I. RUSSELL, M.D. ..... Assistant in Surgery
ALFRED CARLYLE PRENTICE, M.D. ..... Assistant in Surgery
CURTENIS GILLETTE, M.D. ..... Assistant in Medicine
ISAAC OGDEN WOODRUFF, M.D. ..... Assistant in Medicine
CHARLES S. FISCHER, Ph.D., M.D. ..... Assistant in Medicine
MALCOLM GOODRIDGE, M.D. ..... Assistant in the Diseases of Children

HARRY L. HOLLINGSWORTH, A.B.....Assistant in Psychology
CHARLES ARTHUR STEWART, A.M.....Assistant in Mineralogy
MAX FORRESTER EASTMAN, A.B.....Assistant in Philosophy
EDWARD CUSSLER, M.D.....Assistant in Clinical Pathology
DAVID G. ALLEN, M.D.....Assistant in Bacteriology and Hygiene
M. LEROY ARNOLD, A.M.....Assistant in English
FRANK C. BECKER, A.B .....Assistant in Philosophy
WILLIAM BLANCARD, M.D.....Assistant in Genito-Urinary Diseases
BAYARD BOYESEN, A.B.....Assistant in English
FRANCIS S. FOOTE, Jr., E.M.....Assistant in Civil Engineering
CLAUDE A. FRINK, M.D.....Assistant in Medicine
DANIEL GORREN, C.E.....Assistant in Civil Engineering
VICTOR R. GREIFF, E.E.....Assistant in Electrical Engineering
SIDNEY V. HAAS, M.D.....Assistant in the Diseases of Children
EDWIN KIRK, A.B.....Assistant in Palæontology
CHARLES F. LAWSON, A.M.....Assistant in English
ROBERT H. MCCONNELL, M.D...Assistant in the Diseases of Children
HOWARD H. MASON, M.D.....Assistant in Medicine
HARRY WILFRED REDDICK, A.M.....Assistant in Mathematics
WILLARD L. SEVERINGHAUS, A.M.....Assistant in Physics
CHARLES E. TAYLOR, B.S., A.M.....Assistant in Analytical Chemistry
JOHN W. TAYLOR, A.M.....Assistant in English
EDWARD D. THURSTON, Jr., A.B., Mech. E.....Assistant in Mechanical Engineering
REINHARD A. WETZEL, B.S.....Assistant in Physics
HERBERT B. WILCOX, M.D.....Assistant in Clinical Pathology
STANLEY F. BOND, E.E.....Assistant in Electrical Engineering
ELIHU C. CHURCH, C.E.....Assistant in Civil Engineering
WILLIAM F. COOLEY, M.S., B.D.....Assistant in Philosophy
JAMES C. GREENWAY, M.D.....Assistant in Biological Chemistry
ERIC HIGGINS, B.S.....Assistant in Physical Chemistry
ALFRED HOFFMAN, Ph.D.....Assistant in Organic Chemistry
CHARLES A. ISAACS, A.B.....Assistant in Mathematics
LEO KESSEL, M.D.....Assistant in Biological Chemistry
CHARLES B. MARKHAM, A.M.....Assistant in Physics
MATTHEW STEEL, M.S.....Assistant in Biological Chemistry
WILLIAM WEINBERGER, M.D.....Assistant in Biological Chemistry
EDWIN B. WHEELER, B.S.....Assistant in Physics
DAVID D. WHITNEY, A.M.....Assistant in Zoölogy
(71)

CLINICAL ASSISTANTS AT THE VANDERBILT CLINIC

Officers of instruction holding appointments in addition to that of Clinical Assistant are not included in this list. A complete list of the Clinical Assistants in each subject will be found at the head of the appropriate Departmental Statement.

In Medicine

Edward Cook, M.D.
Herman Eichhorn, M.D.
Julius W. Weinstein, M.D.
J. W. Dounce, M.D.
George E. Barnes, M.D.
Stanmore L. Cash, M.D.
Gerald H. Grout, M.D.

In Surgery

Alfred Raabe, M.D.
Noel B. Leggett, M.D.
Ransom S. Hooker, M.D.

In Orthopædic Surgery

Sigmund Epstein, M.D.
Irving Steinhardt, M.D.
Arthur Shoemaker, M.D.

In Neurology

Charles E. Atwood, M.D.
S. P. Goodhardt, M.D.
L. P. Clark, M.D.
H. R. Humphries, M.D.
Thomas P. Prout, M.D.
G. W. Todd, M.D.
C. F. Haviland, M.D.
E. J. McEntee, M.D.
J. E. Clark, M.D.
J. L. Macumber, M.D.
Charles D. Cleghorn, M.D.
Charles Rosenbeck, M.D.
Edward Scripture, M.D.
Smith Ely Jelliffe, M.D.

In Gynecology

William L. Bradley, M.D.
Percy H. Williams, M.D.
Harold D. Meeker, M.D.

In Ophthalmology

John A. Jackson, M.D.
David H. Levy, M.D.
Christopher J. Astle, M.D.
Nathan Goodfriend, M.D.
Alfred Braun, M.D.
Gerald H. Grout, M.D.

In Laryngology

(Including Diseases of the Larynx, Pharynx, and Nasal Passages)

A. P. Coll, M.D.
John Leshure, M.D.
F. Conger Smith, M.D.
C. D. Van Wagenen, M.D.
T. Joseph Barry, M.D.
Charles Osgood, M.D.
Irving W. Voorhees, M.D.

In Otology

Matthew L. Carr, M.D.
Alfred Michaelis, M.D.
Frank J. Blodgett, M.D.

In Dermatology

John H. P. Hodgson, M.D.
John Aldrich, M.D.
J. D. Gold, M.D.
Charles T. Dade, M.D.
S. Dana Hubbard, M.D.
Shirley E. Sprague, M.D.
George Howard Fox, M.D.

In Diseases of Children

Lewis M. Silver, M.D.
Albert F. Brugman, M.D.
A. B. Yard, M.D.
Ira S. Wile, M.D.
Edward Miller, M.D.
M. H. Sicard, M.D.
Charles Herrman, M.D
George Augustus Schnepel, M.D

In Genito-Urinary Diseases

Walter B. Brouner, M.D.
S. W. Fowler, M.D.
J. B. Stein, M.D.
James Albert Cowan, M.D.
Charles C. De Klyn, M.D.

In Applied Therapeutics

F. G. Goodridge, M.D.
Sigmund Epstein, M.D.
Max Schulman, M.D.
Henry C. Becker, M.D.
Max Nisselson, M.D.
David Kaliski, M.D.
Charles E. Webster, M.D.

In Obstetrics

Fellowes Davis, M.D.
Ellice McDonald, M.D.

In Hydrotherapy

Albert J. Wittson, M.D.

Columbia University in the City of New York

GENERAL STATEMENT

On October 31, 1754, Letters Patent were issued incorporating THE GOVERNORS OF THE COLLEGE OF THE PROVINCE OF NEW YORK IN THE CITY OF NEW YORK IN AMERICA, and providing for the establishment of a College to be known as Kings College "for the Instruction and Education of Youth in the Learned Languages and in the Liberal Arts and Sciences." The conclusion of the announcement issued in the same year reads: "A serious, virtuous, and industrious Course of Life being first provided for, it is further the Design of this College, to instruct and perfect the Youth in the learned Languages, and in the Arts of Reasoning exactly, of Writing correctly, and Speaking eloquently: And in the Arts of Numbering and Measuring, of Surveying and Navigation, of Geography and History, of Husbandry, Commerce, and Government; and in the Knowledge of all Nature in the Heavens above us, and in the Air, Water, and Earth around us, and the various Kinds of Meteors, Stones, Mines and Minerals, Plants and Animals, and of every Thing useful for the Comfort, the Convenience, and Elegance of Life, in the chief Manufactures relating to any of these things: And finally, to lead them from the Study of Nature, to the Knowledge of themselves, and of the God of Nature, and their Duty to Him, themselves, and one another; and every Thing that can contribute to their true Happiness both here and hereafter."

Historical[1]

In 1784, the Legislature of the State of New York passed an act incorporating the "REGENTS OF THE UNIVERSITY OF THE STATE OF NEW YORK," vesting the property of Kings College in the Regents, and changing the name of the College to Columbia College. In 1787, this was repealed, and a statute passed confirming the Charter of 1754 for Columbia College, and specifying "that the style of the said

[1] The attention of those interested in the historical development of the University is called to *The History of Columbia University* 1754–1904 (pp. xiii + 403) published in Commemoration of the One Hundred and Fiftieth Anniversary of the Founding of Kings College, by the Columbia University Press through The Macmillan Co., New York, and to various aritcles in the *Columbia University Quarterly*.

corporation shall be, The Trustees of Columbia College in the City of New York."

In 1810, the charter was again amended in certain particulars at the request of the Trustees, and re-enacted, but the corporate title remained and still continues unchanged. The title to all corporate property is vested in a board of twenty-four Trustees, whose term of office is for life, and who form a self-perpetuating body, exercising the power of appointment as to all officers of instruction and administration and general oversight and control of the affairs of the University.

Organization

In 1896, the Trustees approved the use of the title Columbia University in the City of New York, and in 1897 the work of the University was begun at Morningside Heights.

The PRESIDENT has charge of the educational administration of the University and is Chairman of the University Council and of every faculty established by the Trustees. The principal administrative officers, other than the President, are the Deans, who under the general supervision of the President have immediate charge of the work of the several faculties; the Librarian, the Consulting Engineer, the Secretary of the University, the Registrar, the Bursar, and the Superintendent of Buildings and Grounds.

The UNIVERSITY COUNCIL is a representative body consisting of the President, and the Dean and one elected member from each of the several faculties. Subject to the reserved power of control by the Trustees, it is the function of the Council (*a*) to determine the conditions upon which the degrees of Master of Arts and Doctor of Philosophy shall be conferred, and recommend candidates for these degrees; (*b*) to secure the correlation of courses offered by the several faculties with a view to increasing the efficiency and enlarging the range of University work, encourage original research, and adjust all questions involving more than one faculty; (*c*) to make recommendations, both to the Trustees and to the several faculties, concerning the educational administration of the University, and advise the President upon such matters as he may bring before it; (*d*) to appoint all Fellows and University Scholars and, within the limits of the Statutes, make rules for their government.

The University includes the following.

COLUMBIA COLLEGE (see p. 171) offers a program of studies, leading to the degrees of Bachelor of Arts and Bachelor of Science.

Emphasis is placed upon the quality of the student's work rather than upon the time spent in residence, and this combined with the close co-ordination of the work of the Summer Session with that of the College makes it possible for a well prepared candidate to complete the requirements for the bachelor's degree in three and one-half years, three years, or conceivably in a shorter

Schools and Faculties

period for students who by anticipating College work are able to enter with advanced standing. The program provides not only for those students who wish to devote their entire time to undergraduate work, but for those who desire during their collegiate residence to prepare themselves for advanced standing in some professional course of study. As a preliminary to any of its professional courses the University strongly recommends at least two years of collegiate work, and candidates for the professional degrees who are not already college graduates are advised to take advantage of the opportunities offered through Columbia College for a combination of general and professional studies which will lead to the bachelor's degree in arts or science, in addition to a professional degree in law, medicine, applied science, teaching or fine arts, in six years or in some cases in less time.

Barnard College (see p. 306), founded in 1889, is a separate corporation. As an undergraduate college for women, however, it bears the same relation to the educational system of Columbia University as does Columbia College for men. The requirements for admission and the standard of scholarship are of the same grade. The students receive their instruction in the Barnard College buildings. The degree of Bachelor of Arts or Bachelor of Science is conferred upon its graduates by the University on the recommendation of the Faculty of Barnard College. (For the regulations governing candidates for an academic degree and for a diploma in teaching, see p. 314.)

The other faculties of the University offer advanced courses of study and investigation leading to appropriate degrees and certificates in (*a*) law, (*b*) medicine, (*c*) philosophy, education, philology, and letters, (*d*) history, economics and social science, and public law, (*e*) mathematics and natural science, (*f*) applied science, (*g*) fine arts, and (*h*) pharmacy. Women students are not admitted to the courses in law, medicine, or applied science.

The division of the University into faculties and schools neither controls nor limits the student in his freedom of electing, under one or several of the faculties, courses that lead to the degrees of Master of Arts and Doctor of Philosophy (see p. 164). Advanced courses and opportunities for original research leading primarily to these degrees are offered by:

The Faculty of Philosophy (see p. 253), in philosophy and education, psychology and anthropology, classical philology, English, comparative literature, and the Germanic, the Romance, and the Oriental languages;

The Faculty of Political Science (see p. 249), in history and political philosophy, economics and social science, and public law and comparative jurisprudence;

The Faculty of Pure Science (see p. 256), in mathematics, astronomy, physics mathematical and experimental, chemistry, mineralogy, geology, zoölogy, botany, physiology, anatomy, bacteriology,

embryology, and biological chemistry, and in mining, metallurgy, and engineering (civil, electrical, mechanical, sanitary, and chemical).

The School of Law (see p. 193), established in 1858, offers a course of three years in the principles and practice of private and public law, leading to the degree of Bachelor of Laws.

The College of Physicians and Surgeons (see p. 204), founded in 1807, offers a course of four years in the principles and practice of medicine and surgery, leading to the degree of Doctor of Medicine.

The School of Mines (see p. 222), founded in 1863, offers courses of study in mining engineering and in metallurgy, each of four years, leading to a professional degree.

The Schools of Engineering and Chemistry (see p. 222), set off from the School of Mines in 1896, offer courses of study, each of four years, leading to an appropriate professional degree in chemistry and chemical engineering and in civil, sanitary, electrical, and mechanical engineering.

The Faculty of Fine Arts (see p. 287), founded in 1906 and having jurisdiction over the following Schools: Architecture (founded as a department in 1880), Music (founded as a department in 1896), and Design (1906), offers courses of study of indeterminate length leading to appropriate degrees and certificates in Architecture and Music, and, in co-operation with the National Academy of Design (an independent corporation, see p. 297), to a certificate in Design.

Teachers College (see p. 324), founded in 1888 and chartered in 1889, was included in the University in 1898. It is a separate corporation, but takes academic rank in the University system as a professional school for teachers. It offers the following courses of study: (*a*) graduate courses leading to the doctor's diploma or to the master's diploma; (*b*) professional courses, each of two years, based upon two years of collegiate study, leading to the bachelor's diploma for teachers and supervisors in kindergartens or elementary schools, or for specialists in domestic art, domestic science, fine arts, manual training, music, and physical education; and to the degree of Bachelor of Science in Education.

The College of Pharmacy (see p. 354), is, similarly, a separate corporation. It offers University courses leading to the degrees of Pharmaceutical Chemist and Doctor of Pharmacy.

By agreement with Mr. Joseph Pulitzer of New York, executed July 20, 1903, Columbia University will establish in the future a School of Journalism, for which purpose Mr. Pulitzer has given to the University the sum of one million dollars.

In co-operation with Yale University, courses are offered designed to prepare students for work in foreign countries, either in the service of the United States Government or otherwise. (See p. 251.)

The University maintains a SUMMER SESSION (see p. 363), of six weeks' duration, in which are offered courses that are accepted in partial fulfilment of the requirements of certain academic degrees and of the diplomas in teaching.

Through its system of EXTENSION TEACHING (see p. 366), the University offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue subjects included in a liberal education and to make progress, if they so desire, toward a diploma in teaching or an academic degree.

Divisional Organization

In order to present clearly a summary statement of the equipment and the instruction offered in any given group of subjects by the entire University, including Barnard College, Teachers College, and the College of Pharmacy, and to unify and correlate the work of the several departments, the departments are grouped together in divisions, as follows:

BIOLOGY: Anatomy, Bacteriology, Botany, Physiology, Embryology, Biological Chemistry, and Zoölogy.

CHEMISTRY: Chemistry and Physiological Chemistry.

CLASSICAL PHILOLOGY: Greek and Latin.

EDUCATION (FACULTY OF TEACHERS COLLEGE).

ENGINEERING: Civil Engineering, Electrical Engineering, Mechanical Engineering, and Engineering Drafting.

FINE ARTS (FACULTY OF FINE ARTS): Architecture, Comparative Literature, Fine Arts, and Music.

GEOLOGY, GEOGRAPHY, AND MINERALOGY: Geology, Geography, and Mineralogy.

HISTORY, ECONOMICS, and PUBLIC LAW (FACULTY OF POLITICAL SCIENCE): Economics, Social Economy, Sociology and Statistics, History, and Public Law and Jurisprudence.

MATHEMATICAL AND PHYSICAL SCIENCE: Astronomy, Mathematics, Mechanics, and Physics.

MEDICINE (COLLEGE OF PHYSICIANS AND SURGEONS).

MINING AND METALLURGY: Metallurgy and Mining.

MODERN LANGUAGES AND LITERATURES: Comparative Literature, English, Celtic, Germanic Languages, and Romance Languages.

ORIENTAL LANGUAGES: Chinese, Indo-Iranian Languages, and Semitic Languages.

PHARMACY (COLLEGE OF PHARMACY).

PHILOSOPHY, PSYCHOLOGY, AND ANTHROPOLOGY: Anthropology, Philosophy, and Psychology.

PHYSICAL EDUCATION: Physical Education.

PRIVATE LAW (FACULTY OF LAW).

The Announcements of each College or School, of the Summer

Announcements

Session, of Extension Teaching, and of the several Divisions, are issued annually or biennially in the form of Bulletins of Information, and may be obtained without charge from the Secretary of the University.

GENERAL REGULATIONS

Academic Discipline

Under the statutes of the University every student is admitted subject to the disciplinary powers of the University authorities. The President is empowered to administer discipline and to authorize the Deans of the several faculties to do so on his behalf.

Attendance

No degrees are granted by the University for work done *in absentia*, and a minimum residence of one complete academic year (or in the case of the degree of Master of Arts attendance at four Summer Sessions or two Summer Sessions and one half-year) is required of each candidate for a degree.

The University requires of all students regular attendance upon all stated academic exercises.[1]

REGISTRATION

A student may enter Columbia University as either (1) a matriculated student, accepted by the University as having fulfilled the preliminary qualifications for candidacy for a degree or diploma in teaching; or (2) a non-matriculated student, permitted to attend such courses as he may be qualified to take, but not regarded as a candidate for a degree or diploma in teaching. Non-matriculated students may, however, receive a formal statement as to the satisfactory completion of any course or courses. In the Announcement of each faculty will be found the conditions governing the admission of either matriculated or non-matriculated students to courses under that faculty.

Before attending any University exercises each student must register, *i. e.*, must present himself in person to furnish the information necessary for the University records and to file a statement of the courses be is authorized to pursue (for the matriculation or registration fee, payable but once, see p. 27). The usual time for registration is at the beginning of the academic year. The central office of the Registrar, 201 East Hall, and the offices at the College of Physicians and Surgeons, 437 West 59th Street, at the College of Pharmacy, 115 West 68th Street, and at Barnard College and Teachers College,

[1]Students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance, should make application to the appropriate University authority for equitable relief.

will be open for registration on January 31, 1908, from September 16 to September 22, 1908, and on January 30, 1909. New students may also register on the day following each of these periods.

Students registering later must pay an additional fee of $5.00. They may, however, if unable through no fault of their own to complete their registration, file a provisional statement within the statutory period. Credit for attendance will date from the first day of each half-year, and students will be held directly accountable for absences incurred owing to late registration. In order to qualify for the receipt of their stipends, Fellows and Scholars must report themselves as in residence to the Registrar upon the first day of each half-year.

The requirements for the several degrees, certificates, and diplomas in teaching may be completed at any time during the year, but diplomas are issued only at commencement and at the beginning of the first and of the second half-year.

Withdrawal

An honorable discharge will always be granted to any student in good standing who may desire to withdraw from the University; but no student under the age of twenty-one years will be entitled to a discharge without submitting the written assent of his parent or guardian.

Students are requested, in case of withdrawal from the University during the academic year, to notify the Registrar in writing without delay. No application for a return of fees can be considered unless such notice be given at the time of withdrawal.

The Dean of any faculty may for reasons of weight grant a leave of absence to a student in good standing.

FEES

The regulations of the corporation of Columbia College in the City of New York in regard to fees are as follows. The President is under instructions to withdraw the privileges of any student delinquent in payment after the second Wednesday of each half-year. All regulations as to fees are subject to change by the Trustees at their discretion.

For Matriculation or Registration: Required of all students before entrance, payable but once..... $ 5

For late Registration (see page 27)..... 5

For Tuition, payable at the beginning of each half-year; if the entire fee be less than $100 the whole must be paid upon registration.

For matriculated students:

In the College, per point (see page 175)..... 5

To be paid for the total number of points for which the student is permitted to register; with extra charges for cer-

tain allowed professional courses, not to exceed $100 in any year.

In the School of Law.....per annum $ 150
In the College of Physicians and Surgeons.... " " 250
In the Schools of Mines, Engineering, and Chemistry (exclusive of certain summer course fees, see page 29).....per annum 250
In the Schools of Fine Arts..... " " 150–200

In Architecture the fees are at the rate of $15 per annum for each hour of attendance a week on lectures, with special fees for drawing and design up to a total maximum of $200.

Candidates for the degrees of Master of Arts and Doctor of Philosophy, exclusive of laboratory fees (see page 29).....per annum 150
With a maximum fee—for courses actually needed to fulfil the requirements of the degree in question—of $150 and $300,[1] respectively, when the course does not exceed for the master's degree, three, and for the doctor's degree, five years.

For non-matriculated students (and matriculated students taking part time), at the rate of $15 per annum for each hour of attendance a week on lectures or recitations, with a maximum fee of $150 except that in Columbia College the charge is the same as for matriculated students and in the Schools of Pure Science and Fine Arts the maximum fee is $200, and that in the schools of Medicine, Mines, Engineering, and Chemistry, the rate is $25 per annum for each hour, with a maximum fee of $250. For other fees see page 29.

For all students, matriculated or non-matriculated, in the Summer Session..... 30

For Students in Extension Teaching, see page 368.

For Examinations, payable in each case before examination is held:

For entrance (see pp. 154 *et seq.*)..... 5
For any examination or single series of examinations taken at any other time than at the conclusion of a course actually attended..... 5
For the Collegiate degree of Bachelor of Arts or Bachelor of Science..... 15
For any professional or technical degree..... 25

[1]Tuition fees paid by a candidate for A.M. will be credited toward the maximum fee for Ph.D. provided there be no change in the choice of major and minor subjects.

For the degree of Master of Arts	$ 25
For the degree of Doctor of Philosophy	35

For Use of the Gymnasium:

Required of all students (men and women) except those of the College of Physicians and Surgeons and the College of Pharmacy.....per annum	7
Gymnasium fee, Summer Session, optional	5

For the fees prescribed by the Trustees of Barnard College, Teachers College, and the College of Pharmacy see the separately printed Announcements.

Laboratory Fees

The Statutes provide that students registered in any department of the University who are not candidates for a degree, as well as all candidates for the higher degrees, shall be charged, in addition to the prescribed tuition fee, a fee for certain laboratory courses and for the use of laboratories, up to a maximum fee of $250 including tuition. The schedule of such fees, which is now under revision, may be obtained from the Registrar.

Medicine

The charges for non-candidates for a degree pursuing courses under the Faculty of Medicine may be obtained from the Registrar or the Assistant Registrar.

Architecture

Students not matriculated in architecture taking not less than four hours per week of lectures are permitted to register and pay for periods of two months at the rate of $5 per hour weekly of lectures taken. They are charged a fee of $25 for the use of the drafting rooms for the academic year, or $10 for a single period of two months, but in no case are the total fees to exceed $50 for the two months.

Summer Courses in Surveying

Laboratory fees, payable on or before the last Saturday in May, are required as follows: Civil Engineering course No. 15, $25, or $7 per survey; No. 25 and No. 27, $15, or $5 per survey; No. 26, $5; No. 28 and No. 71, $10.

Non-candidates, candidates for admission to and students having entered with advanced standing, who may be required to attend these courses, and students required to repeat them through delinquency, are charged, in addition, tuition fees as follows: No. 15, $35; No. 25, No. 27, No. 28, and No. 71, $25; No. 26, $10. In the case of a student registered in Columbia College who has paid an additional fee under the operation of this rule, an equitable credit will be made should he later complete the requirements for a professional degree.

For further details as to the administration of these fees, see the special *Announcement of the Schools of Mines, Engineering, and Chemistry.*

Summer Courses in Mining and in Geodesy

Candidates for admission to advanced standing who attend the Summer Course in Practical Mining are required to pay therefor a fee of $50. All students attending the Summer Course in Geodesy must pay a fee of $20 for the course, to the Bursar at the University. These fees are payable on or before the last Saturday in May.

Deposits for Apparatus Supplies and for Keys to Desks and Lockers

A deposit for the use of lockers, keys, apparatus, material, and the like, ranging from $2 to $40, is required of students in Mines, Engineering, Chemistry, and Architecture. At the end of the year each student will be credited with those articles which he returns in good order, and the value of those he has injured or broken will be deducted from his deposit. Details may be obtained from the Bursar.

Residence Halls and University Commons

(See page 37)

Comparative Statement of Students' Probable Expenses for the Academic Year, October to June

BASED ON STUDENTS' STATEMENTS

	Low	Average	Liberal
Matriculation Fee (First Year)	$ 5	$ 5	$ 5
Tuition Fee[1]	150	150	150
Gymnasium Fee	7	7	7
Books	18	30	40 up
Incidentals	7	15	33 "
Residence Hall (39 weeks)	100	128	180 "
Commons (39 weeks)	150	191	236 "
Clothes and Washing	46	80	125 "
All other expenses	24	57	100 "
Total	$507	$663	$876 up

COMMITTEE ON EMPLOYMENT FOR STUDENTS

Professor KEMP, Chairman; Professors FISKE, HUNTINGTON, BURDICK, GIDDINGS, and TODD, and the Secretary, and Registrar of the

[1] For Medicine and Applied Science add $100, and for Architecture add $50. Students in Applied Science should also make provision for deposits for apparatus ranging from $10 to $40 and for Summer Courses.

University, and Secretary of Earl Hall. F. A. Dickey, A.B. 1907, Secretary of the Committee.

It is the design of the Committee to aid students, especially those coming from elsewhere than New York or the immediate vicinity, to earn enough for their partial or complete support, and if possible to extend assistance to them in other ways. Many opportunities may be offered to competent students both during the academic year and in vacation if the fact of their desire to obtain employment is made known. Some of the openings available are: private tutoring, translating, teaching in evening schools, travelling companions, clerical work, stenography, and paid social and political work. Communications should be addressed to the Committee.

The Committee hesitates to advise medical and engineering students to undertake outside work of any kind during the academic year. The demands of these courses in lectures and laboratory work are so exacting and inflexible as to make additional responsibilities a greater burden than can, in the great majority of instances, be wisely assumed. In general such students are advised to withdraw for a year in order to earn the money necessary to enable them to give undivided attention to their work while in residence.

In case of a choice of applicants for a position, preference is naturally given to those who have become personally known to members of this Committee or to other officers. No prospective student should come to the University depending entirely or even largely upon the assistance of the Committee, but should be prepared to meet at least the expenses of the first half-year—say two hundred and fifty dollars.

The heads of clinics in the Medical School have consented to give advice without charge to students who are on the lists of the Committee, and who present cards of introduction from its Secretary. Such visitors are received, as a general rule, during office hours at private offices.

APPOINTMENT COMMITTEES

The duty of these Committees is to assist competent graduates of the University to obtain suitable permanent academic employment.

The Committees keep classified lists of those who wish employment and will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

No fees are charged for any service rendered by either Committee.

For positions in Colleges and Universities except in the Department of Education

Dr. James Hulme Canfield, Librarian of the University, Chairman; Professors Seligman, Cattell, Todd, Kirchwey, Carpenter (G. R.), Wheeler, and Thomas.

Communications in regard to vacancies and recommendations of

suitable candidates for the same should be addressed to the Chairman, Library, Columbia University, New York.

For college and university positions in Education, and for Administrative, Supervisory, and Teaching positions in Normal, Secondary, and Elementary Schools and Kindergartens

Professor JAMES E. RUSSELL, Dean of Teachers College, Chairman; Professors DUTTON, KEMP, MCMURRY, SMITH (D. E.), and TRENT.

Communications should be addressed to the Chairman of the Committee, or to its Secretary, Miss I. L. Pratt, Teachers College, Columbia University, New York.

FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

(See Table of Contents)

RELATIONS BETWEEN THE UNIVERSITY AND OTHER INSTITUTIONS

The educational opportunities of students in Columbia University (including Barnard College, Teachers College, and the New York College of Pharmacy) are increased by the close relations of the University with other institutions of instruction and research.

The Theodore Roosevelt and Kaiser Wilhelm Professorships.

The Theodore Roosevelt Professorship of American History and Institutions in the University of Berlin has been endowed by the gift of $50,000 to the Trustees of Columbia University. Incumbents of the professorship are appointed with the sanction of the German Emperor by the Prussian Ministry of Education upon the nomination of Columbia University. The term of office of each incumbent will be one year and he will give instruction in the German language. Incumbents of the chair will be so chosen that in successive years the fields of American history, American constitutional and administrative law, American economic and sociological problems and movements, American education, and American contributions to science, technology, the arts and literature, will be the subject of instruction. The instruction will be given in the University of Berlin during each winter semester, and may be repeated in whole or in part at some one of the other German universities during the ensuing summer semester. Nominations will not be confined to the members of the staff of Columbia University, but professors in any American institution of learning, or scholars unattached to any University, will be eligible for nomination.

The Prussian Ministry of Education has established in Columbia University a chair of German History and Institutions, to be filled each year by the Trustees of Columbia University upon the nomination of the Prussian Ministry of Education. To this chair the name of the

Kaiser Wilhelm Professorship of German History and Institutions has been given, with the approval of the German Emperor.

Theodore Roosevelt Professorship

1906–07 John William Burgess, Ph.D., LL.D.
Ruggles Professor of Political Science and Constitutional Law, and Dean of the Faculty of Political Science in Columbia University.

1907–08 Arthur Twining Hadley, Ph.D., LL.D. President of Yale University.

1908–09 Felix Adler, Ph.D.
Professor of Social and Political Ethics in Columbia University.

Kaiser Wilhelm Professorship

1906–07 Hermann Schumacher, Jur.D.
Professor of Political Economy in the University of Bonn.

1907–08 K. G. Rudolf Leonhard, J.U.D.
Professor of Legal Science in the University of Breslau.

American Museum of Natural History

The American Museum of Natural History places its collection at the service of advanced students of Columbia University for the purposes of study and research, and provides them with the necessary facilities for work. The Director of the Museum is a member of the Faculty of Pure Science of the University.

National Academy of Design

The agreement of February 5, 1906, between the University and the Academy makes provision for the closest relations between the two institutions and for the development of the study of design in New York City. (See page 297.) The President of the Academy is now a member of the Faculty of Fine Arts, and the professors in the new departments of painting, sculpture, and in the decorative arts are to be appointed, as financial provision for the chairs is made, upon the joint recommendation of the President of the University and the Council of the Academy.

Metropolitan Museum of Art

The Metropolitan Museum of Art admits students of Columbia University on presentation of cards of introduction from the

University, and gives them special facilities for the study of the objects in the Museum. The Director and Assistant Director are members of the Faculty of Fine Arts.

The New York Botanical Garden

Columbia University has the privilege of conducting university courses in botany at the New York Botanical Garden and of using its laboratories and floral material, and all courses of instruction given there are open to officers and students of the University without charge. For a description of the equipment of the Botanical Garden, see the statement of the Department of Botany (page 53).

Theological Seminaries

The Union Theological Seminary and the General Theological Seminary, both of which are represented in the University Council, admit students of high standing in the University to certain lectures in their regular or special courses without tuition fee. The privileges of the Libraries of the Seminaries, for reference, are open to all qualified students of the University. Reciprocal advantages are offered by the University to students of the Seminaries who are qualified to register as candidates for the higher degrees. The General Theological Seminary offers a scholarship to graduates of Columbia College.

The University also enjoys reciprocal arrangements with the other theological seminaries in the vicinity of New York—the Jewish Theological Seminary (New York), Drew Theological Seminary (Madison, N. J.), St. Joseph's Theological Seminary (Yonkers, N. Y.), and the New Brunswick (N. J.) Theological Seminary.

Hospitals

Besides the Vanderbilt Clinic and the Sloane Maternity Hospital, the general and special hospitals of New York afford most important fields for clinical teaching. The College of Physicians and Surgeons is strongly represented on the staff of these institutions, and regular clinical instruction at hospitals is made a prominent feature of the program. Admission is free to all matriculated students of the College of Physicians and Surgeons.

Other Institutions

For the details of the work preparatory to public service offered by Yale University and Columbia University in co-operation, see page 251.

The Director of the New York School of Philanthropy is a professor in the University, and the same reciprocal advantages for students exist as in the case of the Theological Seminaries.

There are the closest informal relations between the University and the Hispanic Society of America, the Rockefeller Institute of Medical Research, the New York Zoölogical Garden, the New York Aquarium, and the laboratories at Wood's Hole and Cold Spring Harbor. (For the Libraries of the city, see below.)

PUBLIC LECTURES

The University conducts annually a single course of public lectures at the Cooper Union (these are known as the Hewitt lectures), and has made arrangements to conduct similar courses in alternate years at the American Museum of Natural History (the Jesup lectures) and at the Metropolitan Museum of Art. The Hewitt lecturer for 1907–08 is Professor Shepherd. During the year many public lectures are also delivered at the University, several of the departments of instruction presenting courses each year. Certain of these courses are maintained by specific endowment: in particular, the Beer lectures in political science, the Blumenthal lectures in politics, the Carpentier lectures in law. A list of the lecturers upon these foundations will be found on page 11. At the opening exercises at Morningside Heights on the first day of the academic year, and at those of the Medical School on the following day, there are academic addresses, and beginning in 1907–08 there will be a series of weekly lectures upon Science, Philosophy, and Art by representative members of the several departments of instruction. Other lectures for 1907–08 include a series on Spanish Literature, under the auspices of the Hispanic Society of America, by James FitzMaurice-Kelly, lectures under the auspices of the Germanistic Society of America, and a series on Navigation and Nautical Science, given in co-operation with officers of the United States Navy and the United States Coast and Geodetic Survey. Information as to all public lectures under the auspices of the University will be furnished by the Secretary.

THE LIBRARY

James H. Canfield ..... *Librarian*
Charles A. Nelson ..... *Head Reference Librarian and Editor of Library Publications*
Edward R. Smith ..... *Reference Librarian, Avery Library*
Mary Otis Cox ..... *Reference Librarian, Law Library*
Vladimir Gr. Simkhovitch ..... *Bibliographer*
Margaret Van Zandt ..... *Supervisor, Order Department*
Harriet B. Prescott ..... *Supervisor, Catalogue Department*
Frederic W. Erb ..... *Supervisor, Loan Division, Readers' Department*
Frank C. Erb ..... *Supervisor, Shelf Department*

The Library is open each week-day (except Thanksgiving, Christmas, Good Friday, and Independence Day) from 8.30 A.M. until 11 P.M., October–June; and until 10 P.M., July–September. All officers, students, and graduates of the University have free access to the Library and may draw books for home use.

Officers of the New York University, of the College of the City of New York, of the Metropolitan Museum of Art, and of the American

Museum of Natural History are granted the same Library privileges as are extended to graduates of Columbia University.

Persons of mature years desiring to engage in definite research which cannot be successfully conducted in the public or other libraries of this city will be given the privilege of using this Library in the building, upon filing a satisfactory application, responsibly endorsed. Blank applications will be furnished by the Librarian on request.

About 10,000 carefully selected reference books and the most important works on all subjects, in standard editions, representing the leading authors in all literatures, are placed in the general reading-room, directly accessible to all readers.

For the convenience of undergraduates of Columbia College, there has been established in Hamilton Hall a College Study. Five thousand carefully selected volumes have been placed in this room, as a reference library.

Connected with the stacks in which are stored the books relating especially to Philosophy, Literature, the Languages, the Sociologic and Economic Sciences, Public Law, and History, are twenty special study rooms, open only to authorized readers; thus affording advanced students and investigators in these fields the fullest opportunity to carry on their work in quiet rooms in the immediate vicinity of the literature of the subjects under consideration. The various Science departments have special libraries in close connection with their laboratories and lecture rooms. A reference library of 4000 volumes has been placed in Hamilton Hall, for the special use of students in Columbia College.

The Library contains about 390,000 volumes, exclusive of unbound pamphlets and duplicates, and some 30,000 German dissertations.

Among the notable special collections may be mentioned the Columbiana, 2000 titles; the Phœnix Library, consisting of 7000 volumes, the gift of Stephen Whitney Phœnix, of the Class of 1859; the Avery Architectural Library, a collection of about 17,000 volumes relating to architecture and decorative art; the Mary Queen of Scots Library, containing 550 volumes, collected and given by General J. Watts de Peyster; the collection of over 1200 volumes by and about Goethe; the Immanuel Kant collection of nearly 1000 volumes; the valuable Townsend Library of National, State, and Individual War Records; the Garden Library, deposited by the Southern Society of New York; the valuable library of The Holland Society of New York, 600 volumes, including the remarkable collection of works of Grotius; and the Library of the American Mathematical Society, 1200 volumes. The Library is also the depository for the American Association for the Advancement of Science, and for the Reform Club of the City of New York.

During the academic year which has just closed, the Library of the University has received two more than usually valuable gifts: the

philological library of Professor Mortimer Lamson Earle, given by his students and friends—consisting of some 2500 volumes, and the library of Henry Livingston Thomas, late Chief Translator of the Department of State, Washington, given by his son, Dr. William S. Thomas—some 9000 volumes.

The entire Library is carefully and accurately catalogued both by authors and subjects. The catalogue is on cards accessible to readers.

The Bryson Library of Teachers College, the Educational Library of the University, and the carefully selected reference libraries of Barnard College, the College of Physicians and Surgeons, and the College of Pharmacy are all available to officers and students of the University. Nearly all of the more private or restricted libraries of the city, for example those of the learned societies, are open to officers and to advanced students introduced by the Librarian of the University.

University Press Bookstore

A University Bookstore is maintained under the auspices of the Columbia University Press, where officers and students may purchase books and stationery at stated discounts from list prices.

THE GYMNASIUM

(See page 135)

UNIVERSITY COMMONS

The University Commons, for the accommodation of men living in the Residence Halls, is conducted upon a system combining the *table d'hôte* and *à la carte*, the average weekly charge being $4.50. The Commons, which has accommodations for 450 men, is in University Hall and is open daily from 7.30 A.M. to 7 P.M. Under the same management is a large buffet lunch room.

RESIDENCE HALLS

For Men

Hartley Hall, a memorial to the late Marcellus Hartley, and Livingston Hall, named in memory of Robert R. Livingston, of the Class of 1765, University dormitories on South Field, with accommodations for 500 men, were opened in September, 1905. Each building is 10 stories in height exclusive of basement, and 137 feet long by 60 feet wide. They are lighted throughout by electricity and heated by steam, with telephone connection on each floor. There are four electric elevators.

The two Halls contain 600 rooms, both single and double, all being outside rooms; their arrangement permits of flexibility in renting the rooms in suites. The average size of the bedrooms is about 8 feet by 14.6. The studies average 10 by 14.6. feet. All rooms are nine

feet high. Each bedroom has a clothes-closet and an enamelled basin with hot and cold water, and is provided with heavy oak furniture. There are four shower-baths on each floor.

The only entrance to each building for students is on the side facing the campus, and leads directly into an assembly room 60 feet square. This room runs up through two stories and has a large open fireplace opposite the entrance.

While Hartley Hall and Livingston Hall are open to all male students of the University, students in Columbia College, in accordance with the desire of the donors, Mrs. Helen Hartley Jenkins and Marcellus Hartley Dodge, A.B. '03, are given the preference in the assignment of rooms in Hartley Hall.

The average weekly charge for a single room is $3.30, or $129 for the academic year of thirty-nine weeks. A pamphlet containing floor-plans of the buildings and indicating the charge for each room may be had upon application to the Secretary of the University. The pamphlet contains also the Hall Regulations. Rooms will be assigned in the order of receipt of applications therefor. All such applications should be made in writing on a blank which will be provided by the Superintendent of Buildings and Grounds.

The Residence Halls are supervised and controlled by a Council composed of the Consulting Engineer, two University officers, and a representative from each Hall. The Council is assisted by two Committees made up of residents in the Halls.

For Women

Whittier Hall, a dormitory building under the supervision of the authorities of Teachers College, is situated on Amsterdam Avenue, between 120th and 121st Streets, and has accommodations for 350 women. Inquiries regarding rooms, board, and the like, should be addressed to the Secretary of Whittier Hall, 1230 Amsterdam Avenue.

Brooks Hall, the hall of residence for Barnard College students, is on the north side of 116th Street; it accommodates 90 students. For details apply to the Secretary, Barnard College.

Other Living Accommodations

Besides these dormitories, there are many good boarding-houses and apartments near the University. The careful selection, inspection, and registration of such lodgings, etc., have been undertaken, and a card-catalogue of apartments, rooms, etc., is kept at Earl Hall.

MEDICAL VISITOR

For the benefit of those members of the University who are without family physicians in New York City the Trustees have designated a Medical Visitor of the University, whose duties are to render medical assistance to such officers and students as may desire it, either

at their homes or elsewhere, at a remuneration to be arranged between himself and individual patients. The Medical Visitor is Dr. D. S. D. Jessup, whose office is at No. 301 West 108th Street (telephone 8153 Riverside). His office hours are from 5 to 6 P.M. daily, or by appointment at his office.

EARL HALL

Earl Hall, the home of the religious, philanthropic, and social organizations and interests of the University, is open from 8.30 A.M. to 10 P.M. daily, to all students without expense, under the direct management of the Secretary of Earl Hall, who is also Secretary of the University Young Men's Christian Association.

The building may not be used for distinctly dogmatic or denominational religious teaching. All organizations the objects of which are to promote the religious and philanthropic life of their student members and of the student body at large have the privilege of holding their meetings in this building. While the social purposes of the Hall are necessarily subordinated to the other uses of the building, the Secretary desires to promote the same type of informal personal and social intercourse that prevails in a good club.

Provision for the regular meetings of student organizations is made, on a day-and-hour schedule, without exclusive use of any of the rooms, in the following order: societies the purpose of which is (1) primarily religious; (2) primarily philanthropic; (3) primarily literary, and (4) miscellaneous student organizations.

PUBLIC WORSHIP AND RELIGIOUS WORK

St. Paul's Chapel, the gift of Olivia Egleston Phelps Stokes and Caroline Phelps Stokes, as a memorial to their parents, was dedicated February 3, 1907. The Chapel is in the form of a cross, the greatest length being 122 feet and the width at the transepts 77 feet. In all 1050 sittings are provided. Of these 120 are in the choir, which, as in the English cathedrals, may itself be used for a religious service at which the attendance is small.

Service, at which attendance is voluntary, is held every week-day except Saturday, at noon, the period from 12 to 12.20 being set apart by the University for religious exercises; and on Sunday afternoons at 4 P.M. There are also frequent organ recitals in the Chapel.

STUDENT ORGANIZATIONS

Academic control of all student organizations, athletic and other, which in any way represent the University before the public, is vested in the University Committee on Student Organizations, appointed by the President. The various organizations, while self-governing, are subject to the regulations of the Committee in respect to their organization, financial management, administration and discipline.

The times and places of all public contests and performances must be approved by the Committee. All budgets for expenditure must be approved by the Comptroller of Student Organizations, an officer appointed by the President, and each organization is required to keep an accurate record of its financial operations in the office of the Comptroller. The University Committee on Athletics, also appointed by the President, consisting of three graduates, two students and two officers of the University, has authority to adopt and administer rules of eligibility not involving questions of scholarship and to govern the participation of the students of Columbia University in intercollegiate athletics. Participation in athletics without the approval of the Committee is forbidden. A pamphlet containing the regulations for student organizations may be obtained from the Secretary of the University.

DIVISIONAL AND DEPARTMENTAL STATEMENTS

INTRODUCTORY

The courses of instruction are numbered in accordance with a plan uniform throughout the University, and attention is called to the following information which the number assigned to a course will in each case indicate:

Odd numbers indicate the first, even numbers the second half of the academic year. Courses designated **1–2, 21–22,** etc., run through both half-years; courses designated **1–4, 5–8,** etc., run through two complete academic years. Courses numbered between **1** and **100** are, in general, elementary and may not be offered in fulfilment of the requirements for the higher degrees (A.M. and Ph.D.). Courses numbered from **101–200** are primarily for students who hold a first degree but are open to undergraduates who have completed 72 points (for courses in law 94 points), including all prescribed work. In general no such course may be taken without some elementary training in the same or in some allied subject. Courses from **201–300** are restricted to such graduate students as are qualified to pursue the work to advantage. Seminars are numbered from **301** up. Attention is called to the pamphlet entitled *Instruction for Graduate Students leading to the Degrees of Master of Arts and Doctor of Philosophy*, and particularly to the fact that the requirements for the higher degrees are based upon subjects and not upon courses. Students who wish to offer a subject either as a major or minor should, before registration, consult the officers of instruction concerned with regard to their selection of courses.

Courses enclosed in brackets are not offered during 1907–08, and any other course not applied for by at least three candidates for a degree may be withdrawn by the instructor.

Any subject of study not appearing in its alphabetical order may be found through the index.

With the exception of the courses in Mines, Engineering, Chemistry, Medicine, and Law, all courses numbered over **101** are open to women upon the same terms as to men, unless specific statement is made to the contrary.

Unless otherwise stated, the number of hours given indicates the hours of classroom work (lectures, conferences, and recitations) per week. When a course involves both classroom work and laboratory or draughting-room work the former will be indicated by *C* and the

latter by *L* and *D*, respectively. An "afternoon" implies three hours a day, normally from 1:00 to 4:00.

Students should note the distinction between a department and a school. For instance, there is in the University both a Department of Architecture and a School of Architecture; Departments of Civil, Electrical, and Mechanical Engineering and a School of Engineering. The Departmental Statements which follow have to do only with the giving of the instruction and the opportunities for research in each special branch of study. The information as to the conditions of admission to the courses, and the academic credit to be received therefor, will be found under the information relating to Colleges and Schools, pages 171 to 362, and in the separately printed *Announcements*.

For the courses to be offered in fulfilment of the requirements for the degrees of Bachelor of Arts or Bachelor of Science, see pages 171 and 312; Bachelor of Laws, see page 193; Doctor of Medicine, see page 204; for the several degrees in mining, engineering, and chemistry, see pages 229–235; and for Fine Arts—architecture, music, and design,—see pages 290, 295, and 297.

It is not possible, within the limits of this volume, to give more than the briefest outline of the courses. In some one of the *Bulletins of Information* published by the University, and distributed without charge upon application to the Secretary, a detailed statement will be found of the scope of each course, the manner of treatment, the courses prerequisite, and the like. A list of the *Bulletins* will be found on page 415.

Attention is also called to the fact that, in addition to the following, many courses are offered in the Summer Session and in Extension Teaching. Full information as to these will be found in the *Bulletins* of the Summer Session and of Extension Teaching.

Anatomy

GEORGE SUMNER HUNTINGTON, M.D., Sc.D. ..... *Professor*
BERN BUDD GALLAUDET, M.D. ..... *Adjunct Professor*
H. VON W. SCHULTE, M.D. ..... *Adjunct Professor*
HENRY E. HALE, M.D. ..... *Demonstrator*
WILLIAM DARRACH, M.D. ..... *Demonstrator*
C. R. L. PUTNAM, M.D. ..... *Demonstrator*
FREDERICK T. VAN BEUREN, Jr., M.D. ..... *Demonstrator*

None of the courses of the Department of Anatomy are open to women.

Courses

See introductory paragraphs, page 41

51–52—Vertebrate morphology—Anatomy of the body cavities—

Visceral and topographical course—Thorax and abdomen. Lectures combined with demonstrations. 3 hours. Professor HUNTINGTON

53–54—Demonstrations to sections of the class—(A) Cranial osteology. 2 hours first quarter. Professor SCHULTE. (B) Syndesmology, myology, angeiology of head and neck, peripheral nervous system of neck. 2 hours, second quarter. Professor GALLAUDET. (C) Cranial nerves, rhombencephalon and mesencephalon. 1 hour, second half year. Professor SCHULTE

55–56—Demonstrations to sections of the class—Osteology, syndesmology, myology, peripheral nervous system, and angeiology of the extremities. Pharynx, larynx. 2 hours. Drs. DARRACH and VAN BEUREN

These courses are so arranged as to maintain, with reference to the subjects treated, a direct connection with the laboratory course in dissection, 57–58

57–58—Laboratory course—Dissection of the human body. Minimum requirement 3 periods of 4 weeks each. Professors HUNTINGTON, GALLAUDET, SCHULTE, and the DEMONSTRATORS OF ANATOMY

59–60—Laboratory course—Dissection of the human body. Minimum requirement 4 periods of 4 weeks each. Professors HUNTINGTON, GALLAUDET, SCHULTE, and the DEMONSTRATORS OF ANATOMY

63–64—Demonstrations to sections of the class and conferences—Visceral anatomy. Direct examination and demonstration of the preparations serving to illustrate Course 51–52. 1 hour. Professor HUNTINGTON

66—Course in mammalian morphology—Introductory to physiology. 2 hours a week for one half-year. Dr. VAN BEUREN

Research

117–118—The laboratory of animal morphology is open for research, under the direction of the professor, to advanced workers. Professors HUNTINGTON and SCHULTE

Optional Courses

61–62—Anatomy of mouth, larynx, pharynx, auditory apparatus. 3 hours per week in second half-year. Professor GALLAUDET

119–120—Topographical anatomy of thorax. 3 hours per week in second half-year. Dr. PUTNAM

121–122—Topographical anatomy of the abdomen and pelvis. Professor HUNTINGTON

123–124—Anatomy of the joints. 2 hours per week second half-year. Dr. VAN BEUREN

125–126—Development and comparative anatomy of the heart and vascular system. Professor HUNTINGTON

127–128—Development and comparative anatomy of the genito-urinary system. Professor HUNTINGTON

128–129—Development and comparative anatomy of the respiratory tract. Professor HUNTINGTON

In all courses offered in morphology the work is designed to be laboratory exercises of at least two continuous hours' duration, at any one exercise, supplemented in certain courses by demonstration and study of material contained in the Museum of Human and Comparative Anatomy and in the study collections of the department.

The time required for the above courses, if offered as minors for the degree of A.M. or Ph.D., or if taken as optionals, unless otherwise specified, is half a day per week from October to April.

The demands on laboratory space and teaching force render it necessary to limit the number of candidates admitted to these courses.

Anatomical Laboratories

The laboratory facilities of the Department of Anatomy are very complete. The large general dissecting-room accommodates from 390 to 546 students, working in groups of five or seven at one table.

The laboratory for advanced morphological research occupies the third story of the anatomical building. Every facility for advanced and research work in morphology is here extended. The established connections of the department furnish abundant human and comparative material, both mature and embryonal. The private library of the Professor of Anatomy is at the disposal of advanced workers.

Museum of Human and Comparative Anatomy

Much work has been done in the formation of a Museum of Human and Comparative Anatomy, the ultimate design of which is to present in as complete a manner as possible, a view of the evolution of the forms of animal life, and of their natural relations both in series of natural groups, and in the comparative and relative positions of organs and systems. Even the approximate attainment of this aim will require much time and work, but sufficient progress has been made to enable the department to offer great facilities for study and research. The collection, both as regards groups and the individual preparations, is designed for the illustration of both elementary and advanced courses, and is largely used in the instruction of the medical undergraduates and in advanced study and research.

During the past year the second floor of the anatomical building has been furnished throughout with suitable exhibition and demonstration stands. It is the intention of the department to install in this space the portion of the collection most used in the medical courses, thus establishing an undergraduate teaching museum which will both

increase the efficiency of the sectional demonstrations and render the material upon which they are based available at all times for study and research.

A study-collection of human osteological preparations is so administered as to enable every student to take out the different osteological series and retain them for private study as long as required.

Anthropology

FRANZ BOAS, Ph.D. ..... *Professor*
LIVINGSTON FARRAND, A.M., M.D. ..... *Professor*
MARSHALL H. SAVILLE ..... *Loubat Professor of American Archæology*
CLARK WISSLER, Ph.D. ..... *Lecturer*
ADOLPH F. BANDELIER ..... *Lecturer in American Archæology*
BERTHOLD LAUFER, Ph.D. ..... *Lecturer in Chinese*

Courses

See introductory paragraphs, page 41

1–2—Anthropology, general introductory course—Lectures, essays, and discussions. 2 hours. Professor FARRAND

3—The Negro Question. 1 hour. First term. Professor BOAS

101–102—General ethnography—Lectures, essays, and discussions. 2 hours. Professor BOAS

103–104—Prehistoric archæology—Lectures, essays, and discussions. 2 hours. Professor SAVILLE and Dr. BERKEY (of the Department of Geology)

105–106—Ethnology—Primitive culture—Lectures, papers, and discussions. 2 hours. Professor FARRAND

107–108—Ethnography of America and Siberia. 2 hours. Professor BOAS

111–112—Archæology and ethnography of China with special reference to Farther India and Central Asia. 2 hours. Dr. LAUFER

[113—Ethnography of Japan, Korea, and Formosa. 1 hour. Dr. LAUFER]

115–116—Archæology of Mexico and Central America. 2 hours. Professor SAVILLE

117–118—American languages—Lectures and discussions. 2 hours. Professor BOAS

129–130—American languages—Advanced course. 2 hours. Professor BOAS

119–120—Morphology with special reference to Physical Anthropology. Professor HUNTINGTON. (Not open to women.)

121–122—Anthropometry. 2 hours lectures and 3 hours laboratory. Professor BOAS

[125–126—Early Spanish sources for American ethnography. 2 hours. Mr. BANDELIER]

127—Archæology of Peru. 1 hour one half-year. Mr. BANDELIER

301–302—Seminar in ethnology. 2 hours biweekly. Professor BOAS

201–202—Research work in anthropology. Professors BOAS, FARRAND, and SAVILLE, and Dr. LAUFER

Laboratory work in Physical Anthropology is carried on in the Anatomical Department of the University and in the Anthropological Department of the American Museum of Natural History.

The collections and apparatus of the American Museum of Natural History may be used by students of Anthropology. The extensive collections of ethnological and archæological material in the Museum are utilized in connection with the lectures given in the department and are available for research work.

Architecture

ALFRED D. F. HAMLIN, A.M. . . . *Professor of the History of Architecture*
FRANK DEMPSTER SHERMAN, Ph.B. . . . . *Professor of Graphics*
MAXIMILIAN K. KRESS, A.M. . . . . *Adjunct Professor of Architecture*
CHARLES FOLLEN MCKIM, Litt.D. . . . . *Director of Atelier*
THOMAS HASTINGS, Diplômé E.d.B.–A. . . . . *Director of Atelier*
CHARLES A. HARRIMAN . . . . . *Instructor in Architecture*
CHARLES P. WARREN, A.M. . . . . *Instructor in Architecture*
JOHN V. VAN PELT, Diplômé E.d.B.–A. . . *Associate Director of Atelier*
WILLIAM A. DELANO, A.B. . . . . *Associate Director of Atelier*
FRANCIS A. NELSON, B.S., Diplômé, E.d.B.–A. *Lecturer in Architecture*
HARVEY WILEY CORBETT, B.S., Diplômé, E.d.B.–A. . . . . *Associate Director of Atelier*
EDWARD R. SMITH, A.B. . . . . *Curator of the Avery Library*

WILLIAM R. WARE, LL.D. . . . . *Emeritus Professor of Architecture*

Courses

See introductory paragraphs, page 41

1—The elements of architecture. Mouldings, the orders, intercolumniation and superposition, balustrades, arcades, doors, windows, roofs, spires, vaults, domes. 2 hours, and work in drafting-room. Mr. HARRIMAN

2—Applied elements—Exercises in application of the orders and other features in elementary design. 15 hours. Mr. HARRIMAN

3—Architectural drawing—15 hours. Mr. HARRIMAN

5—Graphics—Shades and shadows, projections and intersections. *C* 2 hours, *D* 5 hours. Professor SHERMAN

6—Perspective. *C* 2 hours, *D* 5 hours. Twelve plates required. Professor SHERMAN

7—Descriptive geometry. *C* 2 hours, *D* 5 hours. Twelve plates required. Professor SHERMAN

8—Stereotomy. *C* 2 hours, *D* 5 hours. Professor SHERMAN

9–10—Graphical analysis—Applications of graphical methods to mathematical computations. 2 hours. Professor SHERMAN. (Optional)

11–12—Specifications. 2 hours. Mr. WARREN

13–14—Building materials. *C* 2 hours, *D* 3 hours. Mr. WARREN

15–16—Elementary structural design. 2 hours. Mr. WARREN

17–18—Engineering—Graphical statics and applied mechanics; structural problems. *C* 3 hours, *D* 3 hours. Mr. WARREN

21–22—Ancient architectural history. 3 hours. Professor KRESS

23–24—Mediæval architectural history. *C* 2 hours, with collateral reading (see 43–44), and 15 hours original research for six weeks. Exercises in historical design (see 61–64). Professors HAMLIN and KRESS

24*a*—Architectural essays—Papers prepared in connection with research on mediæval history. Professor HAMLIN

25–26—Modern architectural history—The Renaissance and modern architecture. *C* 2 hours and 15 hours research for six weeks. Exercises in historical design (see 61–64). Professors HAMLIN and KRESS

26*a*—Architectural essays—Papers prepared in connection with research on modern history. Professor HAMLIN

31–32—History of ancient ornament. 1 hour. Professor KRESS

33–34—History of mediæval ornament. 1 hour, with exercises in decorative design. Professor HAMLIN

35–36—History of modern ornament—Renaissance and modern ornament. 1 hour, with exercises in decorative design. Professor HAMLIN

41–42—Historical reading in French (in connection with 21–22). 2 hours. Professor KRESS

43–44—Historical reading in French and German (in connection with 23–24). 2 hours. Professor KRESS

51–52—Theory of architecture—Planning and Composition. 1 hour. Professor HAMLIN and others

53—Theory of decorative arts—1 hour. Professor HAMLIN and others

54—Theory of color. 1 hour. Professors HAMLIN and HALLOCK

55—Theory of professional practice—1 hour. Professor HAMLIN and others

61–62—Elementary design—Exercises chiefly in composition of exteriors. 15 hours, first half-year, and for 9 weeks of second half-year. Professors McKim and Hastings, Messrs. Van Pelt, Delano, Corbett, and Nelson

63–64—Intermediate design—Problems and sketch designs, including both planning and composition. 15 hours, first half-year, and for 9 weeks of second half-year (see **161** and **261**). Professors McKim and Hastings, Messrs. Corbett, Van Pelt, Delano, and Nelson

71–72—Freehand drawing—Elementary course. 6 hours. Mr. Harriman

72*a*—Summer work—Drawings and designs to be executed during the summer vacation following the first year of residence

73–74—Freehand drawing—Intermediate course. 6 hours. Mr. Harriman and Mr. Smith

74*a*—Summer work—Drawings and designs to be executed during the second summer vacation

75–76—Drawing from the cast. 5 hours. Mr. Harriman

76*a*—Summer work—Drawings and designs to be executed during the third summer vacation

113–114—Advanced practice. *D* 6 to 12 hours, in connection with **117–118**. Mr. Warren

117–118—Advanced engineering design and calculation (in connection with **113–114**). 24 hours. Mr. Warren

128—Advanced essays—Summer vacation essay; thesis dissertation previous to graduation

161–162—Advanced design. 20 to 30 hours. (**63–64** prerequisite.) Professors McKim and Hastings, Messrs. Van Pelt, Delano, Corbett, and Nelson

164—Thesis—Advanced design or research; drawings with accompanying dissertation. 20–30 hours for 8 to 12 weeks previous to graduation. Professors McKim and Hastings, Messrs. Van Pelt, Delano, Corbett, and Nelson

177–178—Advanced drawing—From the antique and from life. 6 hours (at the studios of the National Academy of Design)

213–214—Graduate course in practice—Original investigations and accompanying reports. 6 hours. Mr. Warren

217–218—Graduate course in engineering—Four advanced problems in structural design. 20 to 30 hours. Mr. Warren

221–222—Graduate essays—Original research with accompanying reports. 4 to 6 hours. Professor Hamlin

261–262—Graduate design—Advanced problems, etc. 20 to 30 hours. Professors McKim and Hastings, Messrs. Van Pelt, Delano, Corbett, and Nelson

Astronomy

HAROLD JACOBY, Ph.D. ..... *Rutherfurd Professor*
CHARLES LANE POOR, Ph.D. ..... *Professor*
S. ALFRED MITCHELL, Ph.D. ..... *Instructor*

Courses

See introductory paragraphs, page 41

The courses in geodesy are not open to women.

1–2—General astronomy—Historical and descriptive. 2 hours. Dr. MITCHELL, and for work in the Wilde Observatory, Professor JACOBY.

103–104—Spherical and practical astronomy—A more mathematical treatment, including practical use of instruments. 2 hours lectures and 2 hours observatory work. Professor JACOBY

105—Geodesy—Brief history of geodetic operations and description of instruments, including their adjustment and use. 2 hours. Dr. MITCHELL

106—Geodesy—Applications of practical astronomy to geodetic surveying. 2 hours. Dr. MITCHELL

S107—Geodesy—Summer course in practical geodesy. Given in the field, each student making his own observations and calculations

Six weeks of practical work from June 1, at Osterville, Mass. Professor JACOBY and Dr. MITCHELL with assistants

109—Geodesy—Derivation of formulæ used in summer-course work, adjustment of observations, followed by several lectures on descriptive astronomy. 2 hours. Dr. MITCHELL

201–202—Advanced spherical and practical astronomy. 2 hours lectures and 4 hours observatory work for two years. Professor JACOBY

203–204—Theoretical astronomy—Theory of comet orbits with practical applications. 1 hour, supplemented by computation, for two years. Professor POOR

205–206—Theory and method of reduction of photographic star plates—Determination of star places. 1 hour, with practical work, for two years. Professor JACOBY

207–208—Method of least squares, with applications to astronomy and geodesy. 1 hour. Professor JACOBY

209–210—Celestial mechanics—Elementary course. 1 hour. Professor POOR

211–212—Advanced course in celestial mechanics. 1 hour for one or two years. Professor POOR

213–214—Astronomical spectroscopy. 1 hour supplemented by laboratory work. Dr. MITCHELL

Astronomical and Geodetic Equipment

The new Wilde Observatory contains an equatorial telescope, with clockwork and accessories. The University has also a very complete collection of instruments for the application of astronomy to geodesy: A Bamberg universal combined prismatic transit and zenith telescope of 4-inch aperture. A Wanschaff zenith telescope of 8-cm. aperture, suitable for latitude measures of the highest precision. Two Wanschaff 8-inch microscope theodolites. Two Fauth 8- and 10-inch microscope theodolites. Secondary bar base and tape base apparatus, with stretching machines. Complete outfit of engineer's instruments, sextants, apparatus for barometric hypsometry, clocks, chronometers, electric chronographs, etc. Five computing machines.

For the advanced study of astronomy proper, there are special facilities including two Repsold measuring machines of the latest type and a large collection of original astronomical photographs suitable for measurement and reduction. These photographs were made by Gill at the Cape of Good Hope, Rutherfurd at New York, Donner at Helsingfors, Henry at Paris, Campbell at Mt. Hamilton, etc. Ample funds are provided for the publication of researches in astronomical photography. (See University Bibliography.) For research work in astrophysics students have access to the well-equipped laboratories of the Department of Physics.

In addition, there are a number of unmounted instruments including Lewis Morris Rutherfurd's famous 13-inch equatorial, with its attachments.

The University Library is especially strong in astronomy. Among other important collections, it contains the private library of the late Dr. Otto Struve, formerly director of the Pulkowa Observatory. There is also a good working library in the department.

Bacteriology and Hygiene

PHILIP HANSON HISS, Jr., M.D. ..... *Professor of Bacteriology*
AUGUSTUS B. WADSWORTH, M.D. ..... *Instructor in Bacteriology*
HANS ZINSSER, M.D. ..... *Assistant in Bacteriology and Hygiene*
DAVID GORDON ALLEN, M.D. .. *Assistant in Bacteriology and Hygiene*

Close association is maintained between this department and the departments of Pathology and Clinical Pathology, so as to facilitate instruction and research in these closely allied subjects.

Courses

For the significance of course numbers see page 41

51—Practical instruction in bacteriology and hygiene, especially

adapted to the requirements of students of medicine. 4 hours. Professor Hiss and Drs. Wadsworth, Zinsser and Allen

201—Special laboratory course in advanced bacteriology and bacteriological technique. Afternoons in November, December, and January. Professor Hiss and Drs. Wadsworth and Zinsser

203—Special laboratory course—as under Course **201**—with additional time for the study of known species of bacteria, their chemical products, and photomicrography; and original investigation. Professor Hiss and Drs. Wadsworth and Leaming

Research

Research may be pursued in the laboratories of this department by a limited number of properly qualified, advanced workers, under the direction of the Professor.

Equipment

The Department of Bacteriology occupies the western section of the fifth floor of the north wing of the building of the College of Physicians and Surgeons. It comprises a large laboratory for the accommodation of the undergraduate and advanced classes in bacteriology, a research laboratory for special advanced workers, and rooms thoroughly equipped for the preparation of culture media and for the chemical study of bacterial products.

The laboratories are well equipped with all necessary apparatus and with cold storage facilities. A large collection of bacterial species is kept under cultivation.

Biological Chemistry

William J. Gies, M.S., Ph.D. ..... *Professor*
Nellis B. Foster, M.D. ..... *Instructor*
William N. Berg, Ph.D. ..... *Tutor*
James C. Greenway, A.B., M.D. ..... *Assistant*
Leo Kessel, M.D. ..... *Assistant*
Matthew Steel, M.S. ..... *Assistant*
William Weinberger, M.S., M.D. ..... *Assistant*

None of the courses at the College of Physicians and Surgeons is open to women.

See preliminary paragraphs, page 41

Course in General Chemistry

51—General chemistry. *C* 4 hours, each section (2). *L* 6 hours, each section (2). Professor Gies, Dr. Berg, and Mr. Steel

Courses in Physiological Chemistry

101—General physiological chemistry. *C* 2 and *L* 6 hours. Professor GIES, Drs. FOSTER, BERG, GREENWAY, and KESSEL

102—Elementary physiological chemistry. *C* 1 hour. April and May (School of Pharmacy). Professor GIES

201–202—Chemistry of digestion and nutrition. Lecture, 1 hour. (School of Pharmacy). Professor GIES

203–204—Laboratory course in quantitative physiological chemistry with special reference to clinical methods. 6 hours. Professor GIES, Drs. BERG and WEINBERGER

205–206—Laboratory course in advanced physiological and pathological chemistry. Research. 12 hours. Professor GIES and Drs. FOSTER and BERG

Course in Toxicological Chemistry

207–208—Laboratory course in toxicological chemistry. 6 hours. Professor GIES

Course in Botanical Chemistry

209–210—Laboratory course in the chemical physiology of plants. 6 hours. Professor GIES. [The course may be taken in whole or in part at the New York Botanical Garden, where Professor GIES is consulting chemist.]

Course in Co-operation with the Department of Physiology

In addition to the courses referred to above Professor GIES cooperates with Professor BURTON-OPITZ in giving Course **101–102** in Physiology.

Biochemical Seminar

301–302—The members of the teaching staff and all other investigators in the department meet weekly to study and discuss the results of recent searches in chemical biology. The Seminar is open to all students in the University. 2 hours. Professor GIES in charge.

Research

The laboratory is open to advanced workers for research. Professor GIES consults regularly with investigators in the department of Zoölogy on Tuesday afternoons and at the N. Y. Botanical Garden on Friday afternoons.

Library

The private library owned by Professor Gies is housed in the laboratory at the medical school and is accessible by appointment to all students in the University.

Equipment

The headquarters of the Department of Biological Chemistry are situated at the College of Physicians and Surgeons, where six rooms are well equipped for experimental work in biological chemistry. Two of the rooms are relatively large and will each accommodate about seventy workers at a time. Four smaller rooms are specially fitted up for original investigations by advanced students.

A small laboratory in Schermerhorn Hall has been equipped for research in biological chemistry to be carried out in co-operation with the Department of Zoölogy. Similar provision has been made in Fayerweather Hall for biochemical research in collaboration with workers in the Department of Physics.

Special facilities have been provided at the New York Zoölogical Park for research there in biological chemistry under the direction of the head of this department.

The laboratories of the New York Botanical Garden are open to students of biological chemistry.

Botany

* Lucien Marcus Underwood, Ph.D., LL.D. . . . . *Torrey Professor*
Herbert Maule Richards, Sc.D. . . . . *Professor in Barnard College*
Carlton Clarence Curtis, Ph.D. . . . . *Instructor*
Tracy Elliot Hazen, Ph.D. . . . . *Instructor in Barnard College*
Jean Broadhurst, B.S. . . . . *Instructor in Teachers College*
Marion Elizabeth Latham, A.M. . . . . *Tutor in Barnard College*
Elizabeth Ilsley Thompson, A.B. . . . . *Assistant in Barnard College*
Chester Arthur Darling, A.M. . . . . *Assistant*

Certain graduate courses at the New York Botanical Garden are also given, either wholly or in part, by the following members of the Garden Staff:

Nathaniel Lord Britton, Ph.D., Sc.D. . *Emeritus Professor, Director*
William Alphonso Murrill, Ph.D. . . . . *First Assistant*
John Kunkel Small, Ph.D. . . . . *Head Curator of the Museums*
Charles Stuart Gager, Ph.D. . . . . *Director of the Laboratories*
Per Axel Rydberg, Ph.D. . . . . *Curator*
Arthur Hollick, Ph.D. . . . . *Curator*
Marshall Avery Howe, Ph.D. . . . . *Curator*
George Valentine Nash. . . . . *Curator of the Plantations*
Henry Hurd Rusby, M.D. . . . . *Dean of the College of Pharmacy and Curator of Economic Collections*
William J. Gies, M.S., Ph.D. . . . . *Professor of Physiological Chemistry and Consulting Chemist, New York Botanical Garden*

Partial courses are also given by:

Elizabeth Gertrude Britton
Edward Sandford Burgess, Ph.D.

* Died November 16, 1907.

The undergraduate courses in Botany are designed to give a broad general knowledge during the first year, and to permit some specialization thereafter. Graduate courses imply the completion of the equivalent of four to six undergraduate courses.

Courses

See preliminary paragraphs, page 41

1–2—Nature and development of plant life. *C* 2 and *L* 4 hours. Dr. CURTIS and Mr. DARLING

3—Morphology of higher plants—Involving field work on adaptation of structure to physical conditions. *C* 2 and *L* 4 hours. Dr. CURTIS

4—Morphology of some group or groups of the lower plants. *L* 6 hours. This course naturally follows Course 3, to complete an elective for the year. Mr. DARLING

5—Problems in botanical technique. *L* 6 hours. Dr. CURTIS

6—Economic botany—Study of plants useful to man. *C* 1, *L* 3 hours. Professor UNDERWOOD

7—Lectures on general botany—with special attention to the study of timber trees in field and laboratory. Professor UNDERWOOD and Mr. DARLING

101–102—Plant physiology—A course in experimental physiology supplemented by selected readings and conferences. 2 laboratory sessions. Dr. CURTIS

Courses **201–239** are for research students and may be selected by graduates as minor or major work.

201–202—General physiology—Problems in absorption, excretion, nutrition, and transformation of energy, growth, the general irritable organization of the plant, and the mechanism of its movements. Professor RICHARDS and Dr. CURTIS

203–204—Physiological anatomy—Problems in the relationships of tissues and functions. Dr. CURTIS

205–206—Physiology of the cell—Problems in the chemical and the physical properties, movements, and irritability of unicellular and other generalized organisms. Professor RICHARDS

207–208—Physiology of nutrition—Treated from a chemical standpoint. Professor RICHARDS and Professor GIES

209–210—Ecological physiology—Problems in adaptive reactions in form, structure, and movements to external energy and environmental factors. Drs. GAGER and CURTIS

211–212—General plant pathology. Also problems in immunity and effects of unfavorable environment. Two summers in the field. Dr. MURRILL

213–214—Morphology of spermatophyta—Study of the structure and development of the seed plants. Dr. CURTIS and Professor RICHARDS

215–216—Experimental morphology—A study of the variation of form and structure, and the determination of the causes. Professor RICHARDS and Drs. CURTIS and GAGER

217–218—Embryology of spermatophyta. With special work during two summers. Dr. CURTIS

219–220—Morphology of pteridophyta—Study of the structure and development of the ferns and fern-allies. Professor UNDERWOOD

221–222—Morphology of bryophyta, with special reference to the diagnostic characters and relationships of the principal families and genera. Professor UNDERWOOD, Dr. HOWE, and Mrs. BRITTON

223–224—Morphology of algæ, with special reference to the diagnostic characters and relationships of the principal families and genera. Dr. HOWE, Professor RICHARDS, and Dr. HAZEN

225–226—Morphology of fungi—Study of the structure, polymorphism and development of the fungi, including culture methods. Dr. MURRILL and Professor UNDERWOOD

227–228—Taxonomy of spermatophyta—Study of the principal families. Professor BRITTON, Drs. SMALL and RYDBERG

229–230—Taxonomy of gramineæ—Study of the diagnostic characters and relationships of the principal genera. Mr. NASH

231–232—Taxonomy of pteridophyta—Study of the diagnostic characters and relationships of the principal families and genera. Professor UNDERWOOD

233–234—Special taxonomy—Critical study of a family or genus of plants of not less than fifty species. The group may be chosen from the entire range of the vegetable world. Field, herbarium, laboratory, and garden work. Directed, according to the group chosen, by Professor UNDERWOOD, Professor BRITTON, Dr. HOWE, Dr. SMALL, Dr. RYDBERG, Mr. NASH, Professor BURGESS, and Mrs. BRITTON

235–236—Regional botany—Collection, determination, and comparative study of the plants of some restricted area. At least two summers in the field. Professor UNDERWOOD and BRITTON

237–238—Plant geography—Occurrence, characters, and arrangement of groups and formations. Relations of plant societies to one another, and to topographic, climatic, and other conditions. Factors governing distribution. Professors BRITTON, RICHARDS, and Dr. CURTIS

239–240—Developmental taxonomy—Fossil ancestors of some family of plants. Dr. HOLLICK

301–302—SEMINAR.—A seminar is held monthly at the botanical laboratory in Schermerhorn for critical discussion.

Convention—A botanical convention is held monthly at the library of the New York Botanical Garden, where members of the staff and students either present the results of their own work or review the progress of botanical research and publication elsewhere.

In Barnard College

51–52—Principles of Plant Morphology and physiology—5 hours, lectures, demonstrations, and laboratory work. Professor Richards, Miss Latham, and Miss Thompson

53–54—General morphology and development of plants—*C* 2, *L* 4 hours. Dr. Hazen and Miss Thompson

Two additional hours of laboratory work may be taken, in which case Botany 53–54 will count as five points.

55–56—Morphology and classification of spermatophytes—With practice in determination of species. 4 or 6 hours. Dr. Hazen

153—Anatomy of vascular plants—*C* 2 and a minimum of *L* 6 hours. Professor Richards and Miss Latham

154—Physiology of plants from standpoint of nutrition—*C* 2 and a minimum of *L* 6 hours. Professor Richards and Miss Latham

[156—Physiology of plants from standpoint of growth—*C* 2 and a minimum of *L* 6 hours. Professor Richards]

158—Structure and development of algæ—Advanced course. *C* 1 *L* 6 hours. Professor Richards and Dr. Hazen

159—Structure and development of fungi—Advanced course. *C* 1, *L* 6 hours. Professor Richards

Courses 158 and 159 are not usually given the same year.

160—Developmental anatomy—Practice in methods of technique. 8 hours of laboratory work with occasional lectures and outside reading. Professor Richards

161–162—Advanced physiology and morphology. Work will be arranged to suit the needs of the students. Professor Richards and Dr. Hazen

Equipment

The Department of Botany occupies the third floor of Schermerhorn, and the laboratories and lecture-rooms are thoroughly equipped for undergraduate work. A large general laboratory, lecture-room, and morphological and physiological laboratories are supplied with modern instruments for instruction and experiment. A sufficient number of standard botanical works and serials on the subject are reserved for students' use in the general laboratory.

Similar opportunities for the work of women are offered in the laboratories at Barnard College.

Graduate courses are conducted at the Museum of the New York

Botanical Garden. By the agreement entered into between the University and the Garden, all the botanical collections and library of the University (except such works as are needed in the undergraduate courses) have been deposited in the Museum of the Botanical Garden at Bronx Park; the Garden on its part supplies all needed facilities for research for members of the staff and for properly accredited students. This combination of forces not only places the Department of Botany within reach of material equipment and collections not otherwise available, but opens up facilities for research work under conditions that are not excelled.

The Museum of the New York Botanical Garden is located in Bronx Park, and its entire upper floor is devoted to research. The physiological and morphological laboratories occupy the western end, and the taxonomic laboratories and herbarium the eastern end. Among the special features provided are to be mentioned the dark rooms, photographic, operating, and balance room, and laboratory for physiological chemistry. Ample opportunity for experimental work is afforded by the open-air plantations and extensive horticultural houses.

The Columbia herbarium and the equally extensive collections of the New York Botanical Garden are housed in the large room in the east wing of the Botanical Museum. The cryptogamic collections are arranged in special rooms. The entire aggregation of collections available for students is exceptionally full in every group of plants.

The portion of the University Library classified under Botany is deposited in the library of the Museum building, where it can be consulted in connection with the extensive supplementary collection now owned by the New York Botanical Garden. The combined libraries aggregate over 20,000 volumes. All the regularly published journals devoted to Botany proper (over one hundred) are received, and the sets of all are complete.

Chemistry

Charles F. Chandler, M.D., Ph.D., LL.D., Sc.D...*Mitchill Professor of Chemistry*
Charles E. Pellew, E.M.....*Adjunct Professor of Chemistry*
Marston Taylor Bogert, A.B., Ph.B., *Professor of Organic Chemistry*
J. Livingston Rutgers Morgan, Ph.D.....*Professor of Physical Chemistry*
James S. C. Wells, Ph.D...*Adjunct Professor of Analytical Chemistry* (*Qualitative*)
Henry C. Sherman, Ph.D.....*Professor of Organic Analysis*
Samuel A. Tucker, Ph.B.....*Adjunct Professor of Electro-Chemistry*
Marie Reimer, Ph.D.....*Instructor in Chemistry* (*Barnard*)
Victor J. Chambers, Ph.D.....*Instructor in Organic Chemistry*
Everett J. Hall.....*Instructor in Assaying*

FLOYD J. METZGER, Ph.D. ..... *Instructor in Analytical Chemistry*
CAVALIER HARGRAVE JOËET, Ph.D. ..... *Tutor in Analytical Chemistry*
ARTHUR C. NEISH, Ph.D. ..... *Tutor in Chemistry*
CHARLES H. ELLARD, A.M. . *Tutor in Analytical Chemistry (Qualitative)*
HAL T. BEANS, Ph.D. ..... *Tutor in Analytical Chemistry (Qualitative)*
ELEANOR KELLER, A.B. ..... *Tutor in Chemistry (Barnard)*
OTTO KRESS, A.M. ..... *Tutor in Chemistry*
WILLIAM C. UHLIG, Ph.D ..... *Assistant in Analytical Chemistry (Qualitative)*
GRACE POTTER REYNOLDS, A.M. .... *Assistant in Chemistry (Barnard)*
J. EDWIN SINCLAIR, A.M. ..... *Assistant in Analytical Chemistry*
CHARLES E. TAYLOR, B.S., A.M. .... *Assistant in Analytical Chemistry*
ERIC HIGGINS, B.Sc. ..... *Assistant in Physical Chemistry*
ALFRED HOFFMAN, Ph.D. ..... *Assistant in Organic Chemistry*

Courses

	Undergraduates only.	Graduates and Undergraduates.	Graduates only.
General and inorganic.....	119	100–119	200–219
Physical.....	20–39	120–139	220–239
Organic.....	40–59	140–159	240–259
Analytical.....	60–79	160–179	260–279
Industrial.....	80–99	180–199	280–299

See preliminary paragraphs, page 41

Courses given in Havemeyer Hall, numbered between 100 and 200, may be closed to women in the discretion of the Instructor.

1 or 2—General elementary chemistry. *C* 3 hours, *L* 2 afternoons, one half-year. Given both half-years. Dr. NEISH

3–4—General inorganic chemistry. 3 lectures and 1 recitation. Professor CHANDLER, Mr. KRESS, and others

7–8—Inorganic chemistry. *C* 2 hours, *L* second half-year only, 5 afternoons. Professor CHANDLER

101–102—Advanced inorganic chemistry. 2 hours. Professor PELLEW

21–22—Elementary physical chemistry. *C* 3 hours, *L* second half-year only, 1 afternoon. Professor MORGAN and Assistant.

37—Theoretical electro-chemistry. 2 hours. Professor MORGAN

23–24—Physical Chemistry, *C* 2 hours throughout the year, *L* 5 afternoons, second half-year only. Professor MORGAN

121–122—Physical chemistry, general course. *C* 3 hours throughout the year, *L* 1 afternoon, first half-year only. Professor MORGAN and Assistant

221–222—Advanced physical chemistry, laboratory course. Conferences, and *L* at least 16 hours. Professor MORGAN

223–224—Advanced physical chemistry, research. Laboratory work and conferences. Professor MORGAN

61 or **62**—Qualitative analysis. *C* 4 hours, *L* 15 hours. Professor WELLS, Mr. ELLARD, and Drs. BEANS and UHLIG

65—Quantitative analysis, inorganic, short course for Electric Engineering. *C* 2 hours, *L* 6 hours. Dr. METZGER and Dr. JOÜET

66—Quantitative analysis, inorganic, for Mining Engineering. *C* 3 hours, *L* 18 hours. Dr. METZGER, Dr. JOÜET and Assistant

161–162—Quantitative analysis, short course. 1 lecture and 8 hours laboratory work. Dr. METZGER and Assistant

163–164—Quantitative analysis. *C* 4 hours, *L* 15 hours. Dr. METZGER and Dr. JOÜET

167–168—Advanced inorganic analysis. *C* 2 hours, *L* 3 afternoons, first half-year for course in Metallurgy, and 5 afternoons second half-year for students in course in Chemistry who elect thesis work in this course. Dr. METZGER

261–262—Quantitative analysis—Special methods, gravimetric, volumetric, and electrolytic. Conferences and laboratory work at least 16 hours. Dr. METZGER

263–264—Research. Conferences and laboratory work. 20 hours. Original investigation in inorganic analysis or inorganic chemistry. Dr. METZGER

171—Quantitative analysis, organic and sanitary. *C* 4 hours, and *L* practice 3 to 6 afternoons. Professor SHERMAN and Assistant

173–174—Advanced proximate organic analysis. *C* 2 hours, *L* second half-year, 5 afternoons, for students who elect thesis work in this course. Professor SHERMAN

271–272—Special methods of organic analysis and food investigation. Conferences and laboratory work 16 hours. Professor SHERMAN

273–274—Research. Conferences and laboratory work 20 hours. Original investigation in organic analysis or food chemistry. Professor SHERMAN

169 or **170**—Assaying—Ores and metallurgical products. *C* 2 hours, *L* 10 hours, first half-year for Mining Engineering and Metallurgy, second half-year for Chemistry. Mr. HALL

160—Special methods of assaying ores, alloys, and furnace products —Comparison of methods and determination of losses. Conferences and laboratory work at least 8 hours. Mr. HALL

147–148—Organic chemistry, elementary lecture course. 2 hours. Dr. CHAMBERS

43–44—Organic chemistry, elementary laboratory course. 8 hours. Dr. CHAMBERS

141–142—Organic chemistry—Comprehensive treatment of the subject. 4 lectures and 1 recitation, *L* first half-year, 4 afternoons. Professor BOGERT and Dr. CHAMBERS

143–144—Organic chemistry. Conferences, 2 hours, and for students who elect thesis work in organic chemistry *L* second half-year, 5 afternoons. Professor BOGERT

241–242—Advanced organic chemistry, laboratory course. 12 hours. Professor BOGERT

243–244—Advanced organic chemistry, research. Professor BOGERT

81–82—Industrial chemistry, general course. 3 lectures. Professor CHANDLER and Mr. KRESS

83–84, 85–86—Industrial chemistry, special course for students in chemistry. 3 lectures for two years, one half the subject being discussed each year. Professor CHANDLER and Mr. KRESS

87 or 88—Industrial chemistry, laboratory practice for students in chemistry. 3 afternoons. Professor PELLEW

89—Industrial chemistry, laboratory practice for students in chemistry. Special applications. 1 afternoon. Professor PELLEW

91–92—Chemical microscopy. *L* 4 hours. Professor PELLEW

93–94—Electrochemistry. 2 hours, and in the second half-year 5 afternoons. Professor TUCKER

[97—Chemical factory apparatus and machinery. 3 hours]

[98—Cost of chemical operations in factories. 3 hours.]

181 or 182—Industrial electrochemistry, laboratory practice. The equivalent of 5 afternoons. Professor TUCKER

295–296—Industrial chemistry, advanced course—Original research. Personal instruction and laboratory work. Professor PELLEW

281–282—Electrochemical research—Original investigations. 16 hours. Professor TUCKER

283–284—Advanced electrochemical research. Private study and original investigations for two years. Professor TUCKER

80 (*a*)—Factory inspection and summer memoir, 2nd year. Professor PELLEW

80 (*b*)—Factory inspection and summer memoir, 3d year. Professor PELLEW

Courses Given at Barnard College

The following courses are given separately at Barnard College: **5–6,** by Miss REIMER and Miss KELLER; **135–136,** by Professor MALTBY;

63, by Miss KELLER; 64, by Miss REIMER; 41–42, by Miss REIMER; 43–44, by Miss REIMER; 145–146, an advanced course in Organic Chemistry, by Miss REIMER.

Other Courses

For courses in Chemistry given at Teachers College and for courses in Chemistry and Physiological Chemistry given at the College of Physicians and Surgeons and at the College of Pharmacy, see the Table of Contents and the special *Announcements* of these Schools.

Equipment

In Havemeyer Hall the Chemical Department is provided with ample space for its museum, lecture-rooms, and laboratories, and every convenience has been provided for both the instructors and students working in the general or special courses.

There are five chemical lecture-rooms, all fully supplied with apparatus and instruments, the desks being equipped with pneumatic troughs, gas, pressure, exhaust, and electricity. The large chemical lecture-room on the ground floor contains 315 seats.

The Museum of General Inorganic and Organic Chemistry and of the Chemical Arts, a large room occupying the whole left wing of the ground floor, contains the elements and all their more important compounds, inorganic and organic; materials and products illustrating the chemical arts, and numerous models, pictures, and diagrams.

The Qualitative Laboratory has 112 desks, each divided into two sections, and each thoroughly equipped.

The Quantitative Laboratory has eighty-eight desks. Attached to the main laboratory is a large, well-equipped balance-room, containing accurate balances, and special rooms, provided with apparatus for gas, water, food, and electrolytic analysis.

The Assay Laboratory is provided with crucible and muffle furnaces, both gas and coal, for the fire assay of ores; also with crushing, pulverizing, and sampling machinery, balance-room, storeroom, and thirty-six well-equipped working desks. It also contains all the apparatus necessary for the wet assay of silver bullion and for laboratory tests of ores.

The Organic Laboratory has forty large desks, provided with gas, water, exhaust, and electricity, and has special rooms for balances, pressure ovens, glass-blowing, and combustions.

The Laboratory of Industrial Chemistry, for the instruction of students in practical operations and the solution of problems in sanitary chemistry and hygiene, is equipped for the manufacture of pure chemicals from their raw materials on an industrial scale, with fine batteries of steam evaporators, and with steam stills, centrifugals, filter presses, crushers, and the like. It includes a dyeing laboratory

with a large stock of dye-stuffs, and with the regular equipment for the practical testing of dyes, including a calico-printing machine. Connected with it is a photometer-room, containing a new and complete outfit for the practical testing of illuminants.

It also includes a laboratory for chemical microscopy, newly equipped with microscopes, polarized light apparatus, camera lucidas, etc., for the practical use of the microscope in chemical operations.

A new Laboratory for Practical Electrochemistry has been provided. The equipment consists of special motor-dynamos, one of which furnishes direct current at low voltages to the students' desks for general electrolytic work; the other provides heavy alternating current to the electric furnace room; this room is furnished with all appliances for electric furnace work. The students' desks are fitted with special switchboards and measuring instruments, and the laboratory has been arranged for carrying on research work in all branches of electrochemistry.

The Laboratory of Physical Chemistry is well equipped with the most recent apparatus adapted to a wide range of experimental work in the branches of heat, light, and electricity as applied to chemical problems.

The Chemical Library in Havemeyer Hall is supplied with an extensive collection of chemical books and journals, and is open from 9.00 A.M. to 5.00 P.M., and during the session of the University from 8.00 to 11.00 P.M.

The Department of Chemistry at Barnard College has laboratories well equipped with every facility for the proper study of the subjects offered. The desks have water, gas, and electricity.

There is a small library of useful reference books in chemistry to which the students have free access during the entire day.

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of Chemistry in secondary and normal schools. In these the chemistry classes of the Horace Mann School receive their instruction, and by observation and practical work in connection with the classes the students in Education 92 are enabled to become familiar with the duties of a teacher of Chemistry.

Chinese

(See Oriental Languages)

Civil Engineering

WILLIAM HUBERT BURR, C.E. ..... *Professor*
EARL BRINK LOVELL, C.E. ..... *Professor*
IRA H. WOOLSON, E.M. ..... *Adjunct Professor*
ADOLPH BLACK, C.E. ..... *Adjunct Professor*
CHAS. E. MORRISON, C.E., A.M. ..... *Tutor*

MYRON SAMUEL FALK, C.E., Ph.D. ..... *Lecturer*
JAMES S. MACGREGOR, M.S. ..... *Assistant*
FRANCIS S. FOOTE, Jr., E.M. ..... *Assistant*
DANIEL GORREN, C.E. ..... *Assistant*
ELIHU CUNYNGHAM CHURCH, C. E. ..... *Assistant*

Courses

See introductory paragraphs, page 41

2—Theory of plane surveying—for engineering students. 2 hours. Professor LOVELL and Mr. FOOTE

6—Properties of materials—Timber; causes of decay and processes of preservation; fire proofing, etc. 2 hours. Professor WOOLSON

7-8—Properties of materials—Properties of constructive materials by lecture and tests. 2 hours. *L* afternoon hours. Professor WOOLSON

15—Surveying practice—five weeks field work. Professor LOVELL and Assistants.

21—Road engineering. 2 hours. Mr. MORRISON

23—Theory of railroad surveying—for mining engineering students. 2 hours and one afternoon. Professor LOVELL and Mr. FOOTE

25—Surveying practice—for civil engineering students,—five weeks field work. Professor LOVELL and Assistants

26—Hydrographic surveying—for civil engineering students,—two weeks field and office work. Professor LOVELL and Assistants

27—Surveying practice—for mining engineering students,—five weeks field work. Professor LOVELL and Assistants

28—Railroad surveying—for mining engineering students,—four weeks field work. Professor LOVELL and Assistants

51-52—Theory of railroad location—for civil engineering students, 3 hours and one afternoon. Professor LOVELL and Mr. FOOTE.

53-54—Resistance of materials. 3 hours *C* and one afternoon *D*. Professor BURR, Mr. MORRISON, and Mr. GORREN

55-56—Resistance of materials—testing Laboratory. One afternoon. Professor WOOLSON and Mr. MACGREGOR

58—Masonry structures. 3 hours *C* and one afternoon *D*. Mr. MORRISON

59—Sanitary treatment of water-supplies and of sewage. 2 hours. Professor BLACK

61—Theory of trusses. 2 hours *C* and one afternoon *D*. Mr. MORRISON.

62—Graphic statics—for civil engineering students. 2 hours *C* and one afternoon *D*. Mr. MORRISON

64—Graphic statics—for mining engineering students. 1 hour *C* and one afternooon *D*. Mr. Morrison

71—Railroad surveying—for civil engineering students,—four weeks field work. Professor Lovell and Assistants

75—Hydraulics—for civil engineering students. 3 hours and one afternoon. Professor Black

76—Hydraulics—for mining engineering students. 3 hours (during March, April, and May). Professor Black and Mr. Morrison

77—Hydraulics—for electrical engineering students. 2 hours. Professor Black

85—Foundations. 2 hours. Professor Burr

87–88—Design of bridges and buildings. 2 hours *C* and two afternoons *D*. Professor Burr and Mr. Morrison

89–90—Railroad engineering, construction, and operation. 3 hours *C* and one afternoon *D*. Professor Lovell and Mr. Foote

94—The design and construction of sewers and irrigation. 2 hours. Professor Black

98—Water supply and river and harbor improvements. 2 hours. Professor Black

100—Graduation thesis—a project or thesis on some civil engineering subject, approved by the head of the department, is required of every candidate for the degree of Civil Engineer

Courses in Sanitary Engineering

41—Sanitary engineering of buildings. 2 hours. Professor Black

42—General principles of hygiene and sanitary science. 2 hours. Professor Black

81–82—Heating and ventilation. 2 hours.

84—Drainage of country districts and towns. 2 hours. Professor Black

Summer Courses in Surveying

These courses are conducted during sixteen weeks each summer vacation at a point in the country near Litchfield, Conn., where ample facilities are provided for all requisite operations, and where the topography is admirably adapted to the practical work of surveying. The courses there given are those announced above under the numbers **15, 25, 26, 27, 28,** and **71.** The University issues a special pamphlet with regard to these courses, which may be had upon application to the secretary.

Advanced Courses

Minor Subjects

153–154—Elasticity and resistance of materials.

257–258—Elastic and masonry arches. Conferences with reading and design work as required. Based upon Course 58.

275–276—Hydraulics (Civil Engineering 75 with additional reading).

285–286—Foundations, including theory of earth pressure (Civil Engineering 85, with additional reading).

287–288—Long-span bridges. Conferences with reading and design work as required. Based upon Courses 87-88.

Major Subjects

259–260—Sanitary engineering. Based upon Course 59.

277–278—Hydraulic engineering, including the hydraulics of rivers and power plants and municipal water-works.

279–280—Municipal engineering, including water-works, sewers and sewage-works, streets, and other public works, and their administration.

289–290—The engineering of structures, including long-span bridges and deep foundations, with methods of building them, and advanced work in elasticity and resistance of materials.

Equipment

The department possesses an unusually full equipment of engineers' and solar transits, levels, plane tables, compasses, and all accessories, as well as smaller instruments. Current meters, hook gauges, and floats of various types are also used in making observations on the flow in and discharge of rivers and canals. A complete set of sections of iron and steel shapes, models, and photographs of engineering works, together with working plans of the latter, are in the department for the use of students. The hydraulic laboratory affords opportunity for the practical operations of measuring the discharge through weirs and other orifices, the flow through open channels and closed pipes, frictional and other resistances in pipes and open channels, as well as for meter gaugings, and for general hydraulic investigations. The testing work in the mechanical laboratory includes the complete tests of various structural materials in tension, compression, bending, and torsion, including the observation and digesting of all corresponding data.

A cement-testing laboratory is fully equipped with testing machines, briquette moulds, tanks, and other apparatus requisite for all classes of investigation in the nature and physical properties of cements and cement mortars. All students are required to make and test briquettes of cement and cement mortar, as well as to ascertain the weight,

fineness, and other physical properties of such cement, sand, and mortar as may be assigned to them for examination.

A laboratory for the testing of road materials is equipped with all the necessary apparatus for the determination of the wearing and cementing qualities of stone or other road material.

In addition, a great variety of large engineering works is continually in process of construction in New York City and vicinity, and the requisite steps are always taken to render them accessible to the students of the department for examination and study.

The library facilities consist of an extensive collection of foreign and domestic engineering books and periodicals, to which additions are constantly being made. The collection of engineering literature forms a part of the general Library of the University, and is available for both undergraduate and post-graduate study.

Clinical Instruction

in Dermatology, Genito-Urinary Diseases, Laryngology, Ophthalmology, Orthopedic Surgery, and Otology. For Clinical Instruction in Medicine, Surgery, Obstetrics, Gynecology, Hydrotherapy, Neurology, and Pediatrics, details will be found under the general heading of these departments.

VIRGIL P. GIBNEY, M.D., LL.D.....*Professor of Orthopedic Surgery*
WILLIAM K. SIMPSON, M.D.....*Professor of Laryngology*
ARNOLD H. KNAPP, M.D.....*Professor of Ophthalmology*
GORHAM BACON, M.D.....*Professor of Otology*
JAMES R. HAYDEN, M.D.....*Professor of Genito-Urinary Diseases*
ROYAL WHITMAN, M.D.....*Adjunct Professor of Orthopedic Surgery*
WALTER F. CHAPPELL, M.D.....*Clinical Professor of Laryngology*
ROBERT LEWIS, Jr., M.D.....*Chief of Clinic and Instructor in Otology*
RICHARD FROTHINGHAM, M.D.....*Instructor in Laryngology*
WARD A. HOLDEN, M.D.....*Chief of Clinic and Instructor in Ophthalmology*
HENRY H. TYSON, M.D.....*Instructor in Ophthalmology*
GEORGE SLOAN DIXON, M.D.....*Instructor in Otology*
SAMUEL W. THURBER, M.D.....*Chief of Clinic and Instructor in Laryngology*
WALTER S. REYNOLDS, M.D., *Chief of Clinic and Instructor in Genito-Urinary Diseases*
CHARLES H. JAEGER, M.D.....*Chief of Clinic and Instructor in Orthopedic Surgery*
T. LAURANCE SAUNDERS, M.D.....*Instructor in Otology*
HARMON SMITH, M.D.....*Instructor in Clinical Laryngology*
WILLIAM BLANCARD, M.D.....*Assistant in Genito-Urinary Diseases*

Clinical Assistants

In Orthopedic Surgery

SIGMUND EPSTEIN, M.D. ARTHUR SHOEMAKER, M.D.
IRVING STEINHARDT, M.D.

In Otology

FRANK J. BLODGETT, M.D. MATTHEW L. CARR. M.D.
ALFRED MICHAELIS, M.D.

In Dermatology

JOHN H. P. HODGSON, M.D. S. DANA HUBBARD, M.D.
JOHN ALDRICH, M.D. J. D. GOLD, M.D.
CHARLES T. DADE, M.D. SHIRLEY E. SPRAGUE, M.D.
GEO. HOWARD FOX, M.D.

In Ophthalmology

JOHN A. JACKSON, M.D. ALFRED BRAUN, M.D.
D. H. LEVY, M.D. CHRISTOPHER J. ASTLE, M.D.
GERALD H. GROUT, M.D. NATHAN GOODFRIEND, M.D.

In Laryngology

ARTHUR P. COLL, M.D. C. D. VAN WAGENEN, M.D.
JOHN LESHURE, M.D. T. JOSEPH BARRY, M.D.
F. CONGER SMITH, M.D. CHARLES OSGOOD, M.D.
IRVING W. VOORHEES, M.D.

In Genito-Urinary Diseases

WALTER B. BROUNER, M.D. J. B. STEIN, M.D.
S. W. FOWLER, M.D. CHAS. C. DEKLYN, M. D.
JAMES A. COWAN, M.D.

All communications regarding these courses should be addressed to the Dean of the Faculty of Medicine, 437 West 59th Street.

Courses

See preliminary paragraphs, page 41

In Dermatology

51—Clinical lectures at the Vanderbilt Clinic. 1 hour. (Omitted 1907–08)

53–54—Practical instruction at the Vanderbilt Clinic in diagnosis and treatment. 12 lessons f or each student. Dr. JACKSON

In Genito-Urinary Diseases

51–52—Genito-urinary diseases—Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor HAYDEN

53–54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Drs. REYNOLDS and BLANCARD.

55-56—Hospital clinics. Bellevue Hospital, February, March, April, and May. Professor HAYDEN

In Laryngology

51–52—Didactic lectures. 1 hour. Professor SIMPSON

53–54—Practical clinical instruction to sections in the use of instruments. 12 lessons for each student. Dr. THURBER

55–56—Individual clinical demonstrations, special attention being given to the questions of general diagnosis, differential and bacteriological diagnosis, and treatment. Dr. FROTHINGHAM

57–58—Operative clinics at the Manhattan Eye, Ear, and Throat Hospital. Professor CHAPPELL and Dr. SMITH

In Ophthalmology

52—Clinical lectures, at the Vanderbilt Clinic. 1 hour. Professor KNAPP

53–54—Practical instruction, at the Vanderbilt Clinic. 12 lessons for each student. Drs. HOLDEN and TYSON

56—Operative clinics at the N. Y. Ophthalmic and Aural Institute. Professor KNAPP

In Orthopedic Surgery

51–52—Clinic in orthopedic surgery and diseases of the joints at the Vanderbilt Clinic. 1 hour. Professor GIBNEY

53–54—Practical instruction. 8 lessons for each student, at the Hospital for Ruptured and Crippled. Dr. WHITMAN. 8 lessons for each student at the Vanderbilt Clinic. Dr. JAEGER

55–56—Operations at the Hospital for Ruptured and Crippled (*optional*). Professor GIBNEY

In Otology

51—Didactic lectures in pathology and therapeutic methods. 1 hour. Professor BACON

53–54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Drs. LEWIS, SAUNDERS, and DIXON

55–56—Operative clinics at the New York Eye and Ear Infirmary. Professor BACON

Clinical Pathology

FRANCIS CARTER WOOD, M.D.....*Professor*
D. STUART DODGE JESSUP, M.D.....*Assistant*
PETER IRVING, M.D.....*Assistant*
EDWARD CUSSLER, M.D.....*Assistant*
HERBERT B. WILCOX, M.D.....*Assistant*

Close association is maintained between this department and the departments of Pathology and Bacteriology and Hygiene, so as to facilitate instruction and research in these closely allied subjects.

Courses

52—Systematic instruction in clinical pathology. 6 hours for one quarter of the academic year. Professor WOOD and Drs. JESSUP and WILCOX

53-54—Practical exercises in clinical pathology to sections in the Vanderbilt Clinic Laboratory. 10 hours for one fourth of the academic year. Professor WOOD and Drs. CUSSLER and IRVING

200—Special laboratory course in clinical pathology. Professor WOOD

Research

Qualified workers may pursue research either in the laboratory of Clinical Pathology on the fourth floor of the north wing of the College building, in the Vanderbilt Clinic Laboratory, or in the Pathological Laboratories of St. Luke's and the German Hospital. Professor WOOD

Equipment

Systematic instruction in clinical pathology is given in the west lecture-room on the fifth floor of the Vanderbilt Clinic building. Students are furnished with apparatus sufficient to enable them to carry out such tests as are necessary for the exposition of the subject; and demonstrations are made of special methods and more complicated apparatus. In order to permit the student to make independently such examinations as are needed in the diagnosis and treatment of disease, a new laboratory has been erected between the Vanderbilt Clinic and the Sloane Maternity Hospital, with accommodations and apparatus for twelve workers. In this laboratory the students make examinations of the secretions and excretions of patients from the clinical courses at the Vanderbilt Clinic and the hospitals.

Comparative Literature

JEFFERSON BUTLER FLETCHER, A.M.....*Professor*
JOEL ELIAS SPINGARN, Ph.D.....*Adjunct Professor*

Courses

See preliminary paragraphs, page 41

1-2—Introduction to European literature from the Renaissance to the present day. 3 hours. PROFESSOR SPINGARN

101-102—The Renaissance in Europe. Introductory course. 2 hours. Professors FLETCHER and SPINGARN

[**201-202**—The comparative study of literature: its methods and its problems. 2 hours. Professor FLETCHER]

203–204—History of literary criticism in modern Europe. 3 hours. Professor SPINGARN

[205–206—The theory and practice of criticism in modern Europe. 2 hours. Professor SPINGARN]

211–212—European literature from the end of the Middle Ages to the climax of the Renaissance. 2 hours. Professor FLETCHER

213–214—The literary relations of England and the Continent in the sixteenth century. 2 hours. Professor FLETCHER

221–222—European literature from the climax of the Renaissance to the end of the seventeenth century. 2 hours. Professor SPINGARN

[223–224—The literary relations of England and the Continent during the seventeenth century. 2 hours. Professor SPINGARN]

301–302 Seminar—The Elizabethan drama in relation to its sources. 2 hours. Professor FLETCHER

303–304 Seminar—Continental Sources of English literature during the seventeenth and eighteenth centuries. 2 hours. Professor SPINGARN

305–306 Seminar—The tradition of chivalry in modern literature. 2 hours. Professor SPINGARN

315–316—Special Topics in Comparative Literature. Professors FLETCHER and SPINGARN

Equipment

The officers of the department have given much attention to the requirements of their courses in the matter of learned publications, the books of specialists in literary topics, the particular collections grouped about great authors, and the rarer literature of the world of letters. The general subjects of literary history and criticism and the latest phases of literary scholarship are well represented in the Library, and those subjects with which the courses directly deal are represented with unusual fulness. A special effort has been made to gather beforehand the literature of subjects for research, so that there may be no delay in providing such material. In the last few years several thousand volumes have been purchased by the department with a particular view to the needs of students, and it is believed that, within the limits of study, the collections are ample; and whatever books prove to be required will be at once obtained. Substantially all periodicals of the literary or learned world are currently received, and in files of such publications, transactions of societies, and the like the Library is uncommonly rich, as well as in foreign dissertations. These are the treasuries of information for minute research. In the Library a special study room is provided for the department, in immediate communication with the books relating to its specific subject.

Design.

For list of officers and other information see Faculty of Fine Arts, p. 287

1–2—History of art—Collateral reading and research. 4 hours. Professors Dielman, Dow, and Mr. E. R. Smith

101–102—History of art—Advanced reading and research. 8 hours. Professors Dielman, Dow, and Mr. E. R. Smith.

Diseases of Children

L. Emmett Holt, M.D., LL.D., Sc.D.....*Carpentier Professor*
Henry W. Berg, M.D.....*Instructor in Contagious Diseases*
Linnaeus Edford La Fetra, M.D.....*Chief of Clinic and Instructor*
John Howland, M.D.....*Instructor in Contagious Diseases*
Frank S. Meara, M.D.....*Tutor*
Malcolm Goodridge, M.D.....*Assistant*
Sidney V. Haas, M. D.....*Assistant*
Robert H. McConnell, M.D.....*Assistant*

Abraham Jacobi, M.D., LL.D.....*Emeritus Professor*

Clinical Assistants

Louis M. Silver, M.D.
Albert F. Brugman, M.D.
Andrew B. Yard, M.D.
Edward Miller, M.D.
Herbert B. Wilcox, M.D.
Arthur W. Bingham, M.D.
M. H. Sicard, M.D.
Charles Herrman, M.D.
Geo. A. Schnepel, M.D.
Ira A. Wile, M.D.

Courses

See preliminary paragraphs, page 41

52—Didactic lectures at the College. 1 hour. Professor Holt

51—Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor Holt

53–54—Hospital clinic—Foundling or Babies' Hospital. 3 hours. Professor Holt

55–56—Practical instruction at the Vanderbilt Clinic in diagnosis and treatment. 10 lessons for each student. Dr. La Fetra

57—A weekly recitation in pediatrics for each student for half the year. Dr. Meara

59–60—Bedside instruction in contagious diseases at the Willard Parker, Scarlet Fever, and Riverside Hospitals to small sections of the class. Dr. Howland and Dr. Berg

61–62—Practical clinical instruction—Bellevue Hospital Out-Patient Department. Drs. Meara and Goodridge

Bedside instruction in the wards of Bellevue Hospital. Dr. Meara.

Post-Graduate Instruction

A limited number of students will be received in this department for post-graduate instruction.

No students will be admitted for less than one half the academic year, and applicants must have had a previous hospital training.

The instruction will include clinical work in general diagnosis and treatment of diseases of children in the wards of the Babies' and Foundling Hospitals, and in the Children's Ward of Bellevue, and in the Vanderbilt Clinic, together with special instruction in contagious diseases at Willard Parker and the Scarlet Fever Hospital, and opportunities for witnessing post-mortem examinations.

Domestic Art

Twelve courses in Domestic Art are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

Domestic Science

Twelve courses in Domestic Science are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

Economics and Social Science

EDWIN R. A. SELIGMAN, Ph.D., LL.D. ..... *McVickar Professor*
FRANKLIN HENRY GIDDINGS, Ph.D., LL.D. ..... *Professor*
JOHN BATES CLARK, Ph.D., LL.D. ..... *Professor*
HENRY ROGERS SEAGER, Ph.D. ..... *Professor*
HENRY LUDWELL MOORE, Ph.D. ..... *Professor*
VLADIMIR GR. SIMKHOVITCH, Ph.D. ..... *Adjunct Professor*
EDWARD THOMAS DEVINE, Ph.D., LL.D. ..... *Schiff Professor*
SAMUEL MCCUNE LINDSAY, Ph.D. ..... *Professor*
RUDOLF LEONHARD, J.U.D. ..... *Kaiser Wilhelm Professor*
MARY KINGSBURY SIMKHOVITCH, M.A. (Mrs.) .... *Adjunct Professor*
ALVAN A. TENNEY, Ph.D. ..... *Tutor*
GEORGE J. BAYLES, Ph.D. ..... *Lecturer in Ecclesiology*
EUGENE E. AGGER, Ph.D. ..... *Lecturer*
ROBERT E. CHADDOCK, A.M. ..... *Lecturer*

Courses in Political Economy and Finance

See introductory paragraphs, page 41

A—Outlines of economics—Recitations, lectures, and essays. 3 hours. Professor MOORE, Dr. AGGER and Mr. CHADDOCK (Barnard College)

1-2—Introduction to economics—Practical economic problems—Lectures and recitations. 3 hours. Professors SELIGMAN and SEAGER, Dr. AGGER, and Mr. CHADDOCK

4—Economic history of England and America—Selected text-books,

recitations, essays, and lectures. 3 hours. Professor MOORE, Dr. AGGER and Mr. CHADDOCK (Barnard College).

101–102—Taxation and finance—Lectures and private reading. 2 hours. Professor SELIGMAN

[103—Money and banking—Lectures, discussions, and reading. 2 hours. Professor MOORE]

[104—Commerce and Commercial Policy—Lectures, discussions and reading. 2 hours. Professor MOORE]

Courses 101–102 and 103–104 are combined at Barnard under the name of Practical Economics, and are given as a 2-hour course (120) by Professor SEAGER.

105—The labor problem—Lectures and private reading. 2 hours. Professor SEAGER

106—The trust and corporation problem—Lectures and private reading. 2 hours. Professor SEAGER

107—Fiscal and industrial history of the United States—Lectures and private reading. 2 hours. Professor SELIGMAN

108—Railroad problems, economic, social, and legal—Lectures and private reading. 2 hours. Professor SELIGMAN

109—Communistic and socialistic theories—Lectures and private reading. 2 hours. Professor CLARK

110—Theories of social reform—Lectures and private reading. 2 hours. Professor CLARK

120—Practical economics—Lectures and assigned readings. 2 hours. Professor SEAGER (Barnard)

[201—Economic readings I: classical English economists—Lectures, assigned readings, and reports. 2 hours. Professor SEAGER]

[202—Economic readings II: contemporary economists. 2 hours. Professor SEAGER]

[203-204—History of economics—Lectures, discussions, and readings. 2 hours. Professor SELIGMAN]

205—Economic theory I: the static laws of distribution—Lectures and private reading. 2 hours. Professor CLARK

206—Economic theory II: the dynamic laws of distribution. 2 hours. Professor CLARK

207—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE

209—Quantitative economics I: advanced statistics. 2 hours. Professor MOORE

210—Quantitative economics II: mathematical economics. 2 hours. Professor MOORE

211—Social Tendencies of German Legislation. 1 hour. Professor LEONHARD

241—Economic and social evolution of Russia since 1800. 2 hours. Professor V. G. SIMKHOVITCH

242—Radicalism and social reform as reflected in the literature of the nineteenth century. 2 hours. Professor V. G. SIMKHOVITCH

301–302—Seminar in political economy and finance. 2 hours. Professors SELIGMAN, CLARK and SEAGER

Courses in Sociology and Statistics

151—Principles of sociology: analytical and descriptive. 2 hours. Professor GIDDINGS and Dr. TENNEY

152—Principles of sociology: historical. 2 hours. Professor GIDDINGS and Dr. TENNEY

251—Social evolution: ethnic and civil origins—Lectures and private reading. 2 hours. Professor GIDDINGS

252—Social evolution: civilization, liberty, and democracy—Lectures and private reading. 2 hours. Professor GIDDINGS

255—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE

256—Social statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE

257—Historical types of society, ancient: the theory of progress. 2 hours. Professor GIDDINGS

258—Historical types of society, modern: the theory of progress. 2 hours. Professor GIDDINGS

259—Civil aspects of ecclesiastical organization—Lectures and private reading. 1 hour. Dr. BAYLES

311–312—Seminar in sociology—2 hours, bi-weekly. Professor GIDDINGS

Courses in Social Economy

281–282—Poverty and relief—Lectures and discussions. 2 hours. Professor DEVINE

283–284—Social Legislation in the United States and Europe. I. American Social Legislation, Federal and State (given in 1907–08); II. American and European (England, France, and Germany) Social Legislation (given in 1908–09). 2 hours. Professor LINDSAY

[285—The standard of living—Lectures and discussions. 2 hours. Professor DEVINE]

[286—The prevention and diminution of crime—Lectures and discussions. 2 hours. Professor DEVINE]

321–322—Seminar in social economy. 2 hours. Professors DEVINE and LINDSAY

Barnard College

11–12—Life and Problems of the industrial population. 2 hours. Professor M. K. SIMKHOVITCH

13–14—Social municipal progress. 2 hours. Professor M. K. SIMKHOVITCH

Equipment

The Library facilities are unexcelled. Every journal of importance, American or foreign, dealing with economics or social science, is taken regularly by the Library. Any book needed by advanced students can usually be bought at once. The special library of history and political science alone comprises more than eighty thousand volumes.

Students of economics and social science will find New York a centre of library facilities unrivalled elsewhere in this country. In addition to the University Library, there are rich treasures at the New York Public Library on the Astor, Lenox, and Tilden foundation, New York Historical Library, Long Island Historical Library, Library of the New York School of Philanthropy, the Bar Association Library, and the Law Institute Library, to each of which students have access under favorable conditions. Advanced students also have at their disposal the library of the McVickar Professor of Political Economy, which contains one of the most complete collections of works on economics to be found in the United States.

The facilities offered to students of sociology and social economy include a large library of general and special works, and unusual opportunities for field work. A generous gift for works on sociology has provided a very complete equipment of publications on sociological theory, the history of the family, pauperism, crime, and penology. Arrangements have been made with the Charity Organization Society, the State Charities Aid Association, the University Settlement, the East-Side House, and the Brooklyn Bureau of Charities by which students can become fully acquainted with actual work among the people and with the most perfect methods.

The Statistical Laboratory, conducted by Professor H. L. MOORE, is equipped with the Hollerith tabulating machines, comptometers, and all other modern facilities.

Students also have the privilege of attending all of the courses in the School of Philanthropy conducted by the Charity Organization Society.

Education

Teachers College is the Division of Education of Columbia University. In the section of the Catalogue devoted to Teachers College (see Table of Contents) will be found a list of its officers and a statement of its equipment for instruction and research in education.

All Teachers College courses are open to men and women on equal terms. For the significance of course numbers see page 41.

A full statement of the nature of each of the following courses, the work pre-requisite to it, and the credit which may be received for it in partial fulfilment of the requirements for the several degrees and diplomas, and similar statements concerning some sixty semi-professional courses offered by Teachers College, but not listed here, will be found in the current edition of the Announcement of Teachers College.

History and Philosophy of Education

B—History and principles of education. 3 hours. Professor MONROE and Assistants

B*b*—History of Education up to modern times—Second third of Education **B**, above. 1 hour. Professor MONROE, Dr. COLE and Miss GOODSEL

[2—Logic as applied to problems of teaching. 2 hours. Professor DEWEY]

5–6—Modern educational theory. 2 hours. Professor MACVANNEL

32—Social life and the school curriculum. 2 hours. Professor DEWEY

105–106—Educational theories of Herbart and Froebel. 2 hours. Professor MACVANNEL

201–202—History and principles of education—Special graduate section course **B**, above. 2 hours. Professor MONROE, Dr. COLE, and Miss GOODSEL

[203–204—Practicum—History of education in the United States. 2 hours. Professor MONROE]

205–206—Practicum—Philosophy of education. 2 hours. Professor MACVANNEL

210—Practicum—History of education in England. 2 hours. Professor MONROE

303–304—Seminar—History of education. Professor MONROE

305–306—Seminar—Philosophy of education. Professor MACVANNEL

Educational Administration

111–112—School administration. 2 hours. Professor DUTTON

113–114—Administration of social education. 2 hours. Professor SNEDDEN

211–212—Practicum—Administration of public education in the United States. 2 hours. Professors SNEDDEN and DUTTON

213–214—Practicum—Foreign school systems. 2 hours. Professor SNEDDEN and Dean RUSSELL

311–312—Seminar—Educational administration. Dean RUSSELL and Professors SNEDDEN and DUTTON

Educational Psychology

A (*a*)—General psychology. 2 hours, first half-year. Professor THORNDIKE and Dr. NORSWORTHY

A (*b*)—Educational psychology. 2 hours, second half-year. Professor THORNDIKE and Dr. NORSWORTHY

A (*c*)—Educational psychology. 1 hour, throughout the year. Professor THORNDIKE and Dr. NORSWORTHY

21–22—Child-study. 2 hours. Dr. NORSWORTHY

23—The Psychology and education of exceptional children. 2 hours. Dr. NORSWORTHY and Professor THORNDIKE

121–122—Genetic psychology, advanced course. 2 hours. Professor THORNDIKE

221–222—Practicum—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

321–322—Seminar—Genetic and comparative psychology. Professor THORNDIKE

401–402—Colloquium. Professors CATTELL, THORNDIKE, and WOODWORTH

Secondary Education

125–126—Secondary education, general course. 3 hours. Professor SACHS

127–128—Secondary education in Germany. 2 hours. Professor SACHS

225–226—Practicum—Secondary education, advanced course 2 hours. Professor SACHS

325–326—Seminar in secondary education. Professor SACHS

153–154—The teaching of biological science in secondary schools. 3 hours. Professor BIGELOW and Miss BROADHURST

253–254—Practicum in the teaching of biological sciences in secondary and normal school 2 hours. Professor BIGELOW

55–56—The teaching of domestic art. 3 hours. Professor WOOLMAN and Miss COOLEY

155–156—Supervision and critic teaching in domestic art. 2 hours. Professor WOOLMAN

57–58—The teaching of domestic science. 3 hours. Professor KINNE and Miss WHITTEMORE

157–158—Supervision and critic teaching in domestic science. 2 hours. Professor KINNE

257–258—Practicum in domestic science. 2 hours. Professor KINNE

161–162—The teaching of English in secondary schools. 3 hours. Professor BAKER

261–262—Practicum in the teaching of English. 2 hours. Professor BAKER

63–64—The teaching of art. 3 hours. Professor DOW and Miss BROOKS

163–164—Supervision of fine arts. 2 hours. Professor DOW

165–166—The teaching of French. 3 hours. Professor COHN

167–168—The teaching of geography. 3 hours. Professor DODGE and Miss KIRCHWEY

267–268—Practicum in geography. 2 hours. Professor DODGE

169–170—The teaching of German in secondary schools. 3 hours. Professor BAGSTER-COLLINS

171–172—The teaching of Greek in secondary schools. 3 hours. Professor LODGE

173–174—The teaching of history in secondary schools. 3 hours. Professor JOHNSON

273–274—Practicum in the teaching of history. 2 hours. Professor JOHNSON

175–176—The teaching of Latin in secondary schools. 3 hours. Professor LODGE

275–276—Practicum in Latin—Cæsar and Vergil. 2 hours. Professor LODGE

77–78—The teaching of manual training. 3 hours. Professor RICHARDS

177–178—Administration of industrial education. 2 hours. Professor RICHARDS

179–180—The teaching of mathematics in secondary schools. 3 hours. Mr. UPTON

[279–280—Practicum in the history and teaching of mathematics. 2 hours. Professor SMITH]

[379–380—Seminar in the history and teaching of mathematics. Professor SMITH]

[81–82—The teaching of music. 3 hours. Professor FARNSWORTH]

87–88—Personal and school hygiene. 2 hours. Professor WOOD

189–190—The teaching of physical education. 3 hours. Professor WOOD, Miss CRAWFORD, and Assistants.

189*b*–190*b*—The teaching of gymnastics. 1 hour. Dr. SKARSTROM

289–290—Practicum in physical education. 2 hours. Professor WOOD

191–192—The teaching of physical science in secondary school. 3 hours. Professor WOODHULL and Miss VAN ARSDALE

291–292—Practicum in physical science. 2 hours. Professor WOODHULL

Elementary Education

7–8—Kindergarten and primary work. 2 hours. Miss FULMER and Professor STRAYER

[31—Social life and school method. 2 hours. Professor McMURRY]

33–34—Theory and practice of teaching in elementary schools. 5 hours. Professor STRAYER

33*a*–34*a*—Theory and practice of teaching in elementary schools. First section of above course. 1 hour. Professor SUZZALLO

131–132—Criticism and supervision of instruction. 3 hours. Professor SUZZALLO

133–134—Supervision of instruction. 3 hours. Professor SUZZALLO

133*ab*–134*ab*—Supervision of instruction. Two thirds of above course. 2 hours. Professor STRAYER

233–234—Practicum—Current problems in elementary education. 2 hours. Professor STRAYER

333–334—Seminar. Professors SUZZALLO and STRAYER

51–52—Sunday-school instruction. 1 hour. Dr. HODGE

55–56—The teaching of domestic art. 3 hours. Professor WOOLMAN and Miss COOLEY

155–156—Supervision and critic teaching in domestic art. 2 hours. Professor WOOLMAN

57–58—The teaching of domestic science. 3 hours. Professor KINNE and Miss WHITTEMORE

157–158—Supervision and critic teaching in domestic science. 2 hours. Professor KINNE

61—The teaching of English in elementary schools. 1 hour. Professor BAKER

63–64—The teaching of art. 3 hours. Professor Dow and Miss BROOKS

163–164—Supervision of fine arts. 2 hours. Professor Dow

165–166—The teaching of French. 3 hours. Professor COHN

67–68—The teaching of geography in elementary schools. 2 hours. Professor DODGE and Miss KIRCHWEY

74—The teaching of history in elementary schools. 1 hour. Professor JOHNSON

77–78—The teaching of manual training. 3 hours. Professor RICHARDS

177–178—Administration of industrial education. 2 hours. Professor RICHARDS

79*a*—The teaching of mathematics in elementary schools. 1 hour. Mr. UPTON

[81–82—The teaching of school music. 3 hours. Professor FARNSWORTH]

183—Lectures on the teaching of nature study. 2 hours. Professors BIGELOW and WOODHULL

184—Practical course in the teaching of nature-study. 2 hours. Professors BIGELOW and WOODHULL

87–88—Personal and school hygiene. 2 hours. Professor WOOD

189–190—The teaching of physical education. 3 hours. Professor WOOD, Miss CRAWFORD, and Assistants

189*a*–190*a*—The teaching of physical education in elementary schools. 1 hour. Miss CRAWFORD

189*b*–190*b*—The teaching of gymnastics. 1 hour. Dr. SKARSTROM

Kindergarten Education

5–6—Modern educational theory. 2 hours. Professor MACVANNEL

7–8—Kindergarten and primary work. 2 hours. Miss FULMER and Professor STRAYER

41–42—Kindergarten principles. 2 hours. Miss FULMER

45–46—Theory and practice of kindergarten teaching. 4 hours. Miss MCMAHON

105–106—Educational theories of Herbart and Froebel. 2 hours. Professor MACVANNEL

141—Kindergarten principles and practice. 2 hours. Miss BLOW

145–146—Kindergarten conference. 2 hours. Miss HILL

Nine other, introductory, courses in kindergarten are also given

Electrical Engineering

FRANCIS B. CROCKER, E.M., Ph.D.....*Professor*
GEORGE FRANCIS SEVER, M.Sc.....*Professor*
MORTON ARENDT, E.E.....*Instructor*
EDGAR S. DOWNS, Ph.D.....*Tutor*
VICTOR R. GREIFF, E.E.....*Assistant*
STANLEY F. BOND, E.E.....*Assistant*

Professors PUPIN and WILLS of the Department of Physics give instruction in some of the theoretical branches of Electrical Engineering. See the statement of the Department of Physics.

Courses

For the significance of course numbers see page 41

1—Elements of electrical engineering—General electrical principles, laws, measurements, and their applications. 2 hours. Mr. Arendt and Dr. Downs

2—Elements of the dynamo—The principles and general construction of dynamo-electric machinery. 1 hour. Professor Crocker and Mr. Arendt

51—Theory of the dynamo—Predetermination and study of characteristic curves of dynamos and motors. 1 hour. Dr. Downs

52—Design of direct-current machinery. Complete and original design with all calculations and working drawings of a specially assigned electric generator or motor. 2 hours and 1 afternoon. Professor Sever

54—Design of alternating-current machinery—Original design of alternating-current generators, motors, transformers, etc. 2 hours. Dr. Downs

56—Electrical engineering. A study of the systems of direct current distribution, direct current motors, and lighting equipments. 2 hours. Professors Crocker and Sever

68—Electrical engineering—The principles of electrical engineering and their application to general engineering. 1 hour. Mr. Arendt

72—Direct-current laboratory—Short course for students in Mining, Civil, Sanitary, and Chemical Engineering, and Metallurgy. 1 afternoon. Professor Sever and Assistants

73—Direct-current laboratory—Short course for students in Mechanical Engineering. 1 afternoon. Professor Sever and Assistants

75—Alternating-current laboratory—Short course for students in Mechanical Engineering. 1 afternoon. Dr. Downs

98—Graduation thesis for degree of Electrical Engineer—Original work and report on a subject approved by the head of the department

101—Dynamo and motor practice—Principles, construction, operation, and testing. 2 hours. Professor Sever

103—Electric power—Electric motors, their action, control, and application. 2 hours. Professor Crocker and Mr. Arendt

104—Electrical plants—The design, installation, and operation of electric lighting systems and plants, including a discussion of each of the various elements employed. 2 hours. Professor Crocker and Mr. Arendt

105—Electrical distribution—Series, parallel, and multiple wire systems; regulation of voltage and current; transformers; interior wiring; meters; arc and incandescent lamps. 2 hours. Mr. Arendt

106—Management of electrical plants—Economy in design, construction, operation, organization, and administration. 2 hours. Professor CROCKER and Mr. ARENDT

110—Telegraph and telephone. 2 hours. Professor CROCKER and Mr. ARENDT

112—Electric railways—Their design, installation, and operation. 2 hours. Professor SEVER

173–174—Direct-current laboratory—Practice in the use of instruments and in the operation and testing of direct-current dynamos and motors. 2 afternoons. Professor SEVER and Assistants

175–176—Alternating-current laboratory—Practice in the use of instruments and in the operation and testing of alternating-current generators, motors, and transformers. 2 afternoons. Dr. DOWNS and Assistants

177—Electrical instrument laboratory. Electrical measurements, storage-battery testing, photometry of electric lamps. 3 afternoons. Professor SEVER and Assistants

201–202—Special problems and original investigations in electrical engineering. Post-graduate work under the direction of the officers of the department.

Equipment

The offices, laboratories, lecture- and other rooms of the Electrical Engineering Department are in the south end of Engineering. In the basement are situated the two machine laboratories, for direct- and alternating-current machinery.

The various machines include examples of constant-potential generators, constant-current, arc-lighting dynamos, many types of stationary and railway motors, and motor-dynamos. Complete sets of ampere, volt, and watt meters, speed indicators, and transmission and absorption dynamometers are available for testing the various dynamos and motors.

The alternating-current apparatus includes single-phase and polyphase generators, induction and synchronous motors, rotary converters, and various types and sizes of transformers. Complete sets of alternating-current measuring instruments and curve-tracing apparatus are also provided.

The lecture-rooms are provided with an ample supply of electrical energy of different forms, and other facilities for experimental demonstrations. The museum contains cases for the collection of apparatus, models, and materials relating to electrical engineering.

The large instrument laboratory on the third floor contains various forms of galvanometers, ampere balances, potentiometers, standard cells, and resistances, measuring apparatus, laboratory standard volt

and ampere meters. A storage battery is provided for testing purposes and for calibration and standardization.

Engineering Drafting

RALPH E. MAYER, C.E.....*Adjunct Professor of Mechanical Drawing*
SAMUEL O. MILLER, C.E.....*Tutor*
THOMAS H. HARRINGTON, C.E.....*Tutor*
MORRIS F. WEINRICH, Mech.E.....*Assistant*

Courses

See introductory paragraph, page 41

1–2—(*a*) Elements of mechanical drawing; freehand lettering: (*b*) Projections: (*c*) Machine drawing—sketches, tracing: (*d*) Topography

C 1 hour for one half-year, *D* 14 hours for one half-year. Professor MAYER, Mr. MILLER, Mr. HARRINGTON, and Mr. WEINRICH

3–4—Descriptive geometry—Problems on point, line, and plane; tangent planes; intersections; developments; warped surfaces. *C* 3 hours for one half-year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

5–6—(*a*) Graphics—Shades and shadows; perspective; isometric projection; cabinet projection: (*b*) Stone-cutting. *C* 1 hour and *D* 16 hours for one half-year. Professor MAYER and Mr. MILLER

7–8—(*a*) Structural drawing; (*b*) Machine drawing. *C* 1 hour and *D* 6 hours for one half-year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

English

BRANDER MATTHEWS, D.C.L., Litt.D., LL.D.....*Professor*
GEORGE RICE CARPENTER, D.C.L.....*Professor*
FRANKLIN THOMAS BAKER, A.M.....*Professor in Teachers College*
[1] WILLIAM PETERFIELD TRENT, M.A., LL.D.....*Professor*
WILLIAM TENNEY BREWSTER, A.M.....*Professor*
GEORGE C. D. ODELL, Ph.D.....*Professor*
FREDERICK HENRY SYKES, Ph.D...*Professor of English in Extension Teaching*
ASHLEY HORACE THORNDIKE, Ph.D...*Professor, and Secretary of the Department*
WILLIAM WITHERLE LAWRENCE, Ph.D.....*Adjunct Professor*
GEORGE PHILIP KRAPP, Ph.D.....*Adjunct Professor*
GRACE A. HUBBARD, A.M.....*Adjunct Professor*
MABEL FOOTE WEEKS, A.B.....*Adjunct Professor*
[1] VIRGINIA C. GILDERSLEEVE, A.M.....*Tutor*
ERNEST SUTHERLAND BATES, A.M.....*Tutor*
WILLIAM BELMONT PARKER, A.B.....*Lecturer*

[1] Absent on leave.

ALGERNON DE V. TASSIN, A.M. ..... *Lecturer*
ALLAN FERGUSON WESTCOTT, A.M. ..... *Lecturer*
CLYDE FURST, A.M. ..... *Lecturer in Extension Teaching*
AZUBAH JULIA LATHAM, A.B. ..... *Lecturer in Teachers College*
ALICE HASKELL, A.B. ..... *Assistant*
ADOLPHE MONELL SAYRE, A.B. ..... *Assistant*
MORRIS LEROY ARNOLD, A.M. ..... *Assistant*
BAYARD BOYESEN, A.B. ..... *Assistant*
CHARLES FRANCIS LAWSON, A.M. ..... *Assistant*
JOHN WARREN TAYLOR, A.M. ..... *Assistant*

Courses

For the significance of course numbers see page 41

A—English literature and composition. 3 hours. Professor ODELL, Mr. LAWSON, Mr. TAYLOR, and Mr. BOYESEN (Columbia College) Professor BREWSTER, Professor WEEKS, Mr. TASSIN, Mr. WESTCOTT, and Miss HASKELL (Barnard College)

B—English literature and composition. 2 hours (Columbia); 3 hours (Barnard). Professor G. R. CARPENTER, Mr. BATES, and Mr. SAYRE (Columbia); Mr. PARKER, Mr. WESTCOTT, and Miss HASKELL (Barnard)

1–2—English composition—Daily themes and fortnightly essays, lectures, and consultations. 3 hours. Mr. TASSIN (Columbia); Professor BREWSTER (Barnard)

7–8—Elocution—Lectures and exercises. 2 hours. Mr. PARKER (Columbia); Mr. TASSIN (Barnard)

11–12—Public speaking and debating. 3 hours. Mr. PARKER (Columbia)

17–18—English prose masterpieces. 2 hours. Professor G. R. CARPENTER (Columbia)

19–20—American literature. 2 hours. Professor BRANDER MATTHEWS and Mr. WESTCOTT (Columbia)

[**21–22**—English Literature from 1780–1830. 3 hours. Professor ODELL (Columbia)]

Courses **21–22** and **23–24** are given in alternate years.

23–24—English literature in the nineteenth century. 3 hours. Professor ODELL (Columbia); Professor HUBBARD (Barnard)

[**25–26**—English literature from 1557 to 1660. 3 hours (Columbia); 2 hours (Barnard). Professor ODELL (Columbia); Professor TRENT (Barnard)]

Courses **25–26** and **27–28**, are given in alternate years.

27–28—English literature from 1660 to 1789. 3 hours (Columbia);

2 hours (Barnard). Professor ODELL (Columbia); Professor HUBBARD (Barnard)

29–30—English literature of the earlier periods. 3 hours. Professors KRAPP and LAWRENCE (Barnard)

[31–32—English literature in the sixteenth century. 2 hours. Professor TRENT (Barnard)]

35–36—Shakspere. 2 hours. Professor LAWRENCE (Columbia); Mr. TASSIN (Barnard)

[37–38—English prose exclusive of fiction. 2 hours. Professor BREWSTER (Barnard)]

[39–40—The development of English fiction. 3 hours. Professor BRANDER MATTHEWS and Mr. WESTCOTT (Columbia)]

41–42—The development of the English drama. 2 hours. Professor BRANDER MATTHEWS (Columbia)

Courses 41–42 and 43–44 are given at Barnard College in alternate years.

43–44—English drama from 1642. 2 hours. Mr. TASSIN (Barnard)

[45–46—English literary criticism. 2 hours. Professor G. R. CARPENTER (Barnard)]

55–56—Typical forms of literature. 2 hours. Professor BAKER (Barnard)

201—English composition (advanced course). 2 hours. Professor G. R. CARPENTER

202—The theory of literary art. 2 hours. Professor G. R. CARPENTER

[203–204—The theory of English usage. 2 hours. Professor G. R. CARPENTER]

205–206—English literary criticism. 2 hours. Professor G. R. CARPENTER

207–208—English prose in the eighteenth century. 2 hours. Professor BREWSTER

Courses 207–208 and 209–210 are given in alternate years.

[209–210—English prose in the nineteenth century. 2 hours. Professor BREWSTER]

211–212—The principles of English philology. 2 hours. Professor KRAPP

Courses 211–212 and 213–214 are given in alternate years.

213–214—Historical English grammar. 2 hours. Professor KRAPP

215—Anglo-Saxon prose. 2 hours. Professor KRAPP

216—Caedmon and Cynewulf. 2 hours. Professor KRAPP

[218—Beowulf. 2 hours. Professor LAWRENCE]

[219–220—Middle English, language and literature. 2 hours. Professor KRAPP]

222—Anglo-Saxon literature. 2 hours. Professors KRAPP and LAWRENCE

[225–226—English literature from 1200–1557. 2 hours. Professor LAWRENCE]

227–228—Chaucer. 2 hours. Professor LAWRENCE

[229–230—Mediæval narrative literature. 2 hours. Professor LAWRENCE]

[231–232—English literature from 1625–1701. 2 hours. Professor TRENT]

[233–234—English literature from 1701–1798. 2 hours. Professor TRENT]

235–236—English literature in the first half of the nineteenth century. 2 hours. Professor THORNDIKE

Courses 231–232, 233–234, and 235–236 are given in successive years.

237–238—Spenser. 2 hours. Professor FLETCHER

241–242—Development of the drama. 2 hours. Professor BRANDER MATTHEWS

[243–244—Dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS]

245–246—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS

[247–248—English comedy: its history and its methods. 2 hours. Professor BRANDER MATTHEWS]

[249–250—Shakspere as a playwright. 2 hours. Professor BRANDER MATTHEWS]

[251–252—The English drama from the beginnings to 1642. 2 hours. Professor THORNDIKE]

Courses 241–242 and 251–252 are given in alternate years.

301–302—Seminar—Shakspere's relation to the contemporary drama. 2 hours. Professor THORNDIKE

303–304—Seminar—Studies in Middle English literature. 2 hours. Professors KRAPP and LAWRENCE

305–306—Seminar—Discussion of dissertations. Professors THORNDIKE, KRAPP, and LAWRENCE

Undergraduate Courses in Teachers College

T. C. 53–54—English usage. 2 hours. Professor BAKER

[T. C. 55–56—English writers of the nineteenth century. 3 hours. Professor BAKER]

T. C. 57–58—Oral reading. 2 hours. Miss LATHAM

T. C. 59–60—Typical forms of literature. 3 hours. Professor BAKER

Fine Arts

(See Architecture, Music, and Design)

In addition eight courses in Fine Arts are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

(See also the Statement of the School of Fine Arts in this volume.)

French

(See Romance Languages and Literatures)

Geography

RICHARD E. DODGE, A.M. ..... *Professor*
CLARA B. KIRCHWEY ..... *Instructor*

Courses

See introductory paragraphs, page 41

1–2—General geography. 3 hours. Professor DODGE and Miss KIRCHWEY

51—The geography of the United States. 2 hours. Professor DODGE and Miss KIRCHWEY

52—Man and his environment. 2 hours. Professor DODGE

53—Geography for teachers. 2 hours. Miss KIRCHWEY

See also Education 67-68, 167–168, 267–268

Equipment

The Department of Geography occupies a suite of five rooms on the second floor of Teachers College. A lecture-room capable of holding fifty, a well-lighted laboratory with table spaces for thirty, two offices, and a large work- and stock-room, compose the suite. The lecture-room is furnished with lantern, models, and wall maps; the laboratory contains several large models, and has a set of the more important weather instruments in an outdoor shelter. The supply of topographic, climatic, and special maps, of diagrams, of physical models, and of lantern slides is large, and has been especially chosen for use in the several courses announced above.

Geology

JAMES FURMAN KEMP, E.M., Sc.D. ..... *Professor*
AMADEUS WILLIAM GRABAU, S.D. ..... *Professor*
CHARLES PETER BERKEY, Ph.D. ..... *Instructor*
IDA HELEN OGILVIE, Ph.D. ..... *Tutor in Barnard College*
ALEXIS ANASTAY JULIEN, Ph.D. ..... *Curator*
WILLIAM CAMPBELL, Ph.D. ..... *Special Lecturer*
EDWIN KIRK, A.B. ..... *Assistant*

Courses

See preliminary paragraphs, page 41

1–2—General geology. *C* 2 hours. *L* 2 hours. Professor GRABAU, Dr. BERKEY, and Mr. KIRK

4—Petrography. *C* 2 hours, *L* 1 afternoon for two months. Compare Mineralogy **6**. Dr. BERKEY

5–6—General geology. 3 hours. Professors KEMP and GRABAU and Dr. BERKEY

16—Index fossils of North America. *C* 1 hour, *L* 8 or more hours. Pre-requisite, Course **1–2** or **5–6**. Professor GRABAU and Mr. KIRK

18—General geology. *C* 3 hours lectures. Field work on Saturdays (last six weeks). Dr. BERKEY

105–106—Economic geology. 3 hours. Professor KEMP

107–108—Invertebrate palæontology. *C* 2 hours, *L* at least 4 hours. Professor GRABAU and Mr. KIRK

110—Geological examinations and surveys—Field methods and organization. 2 hours. Professor KEMP

112—Field geology—One week's field work, and report upon the same, immediately at the close of the spring examinations

201–202—Petrology. *C* 2 hours, *L* at least 4 hours. Professor KEMP and Dr. BERKEY

205–206—Comparative geology—A comparative description and study of the geological formations of North America. 3 lectures and 4 hours reading and laboratory. Professors KEMP and GRABAU

207–208—A dissertation which will furnish the major course for the concluding year of study for the degree of Doctor of Philosophy

209–210—Geology of Europe. 2 lectures and 4 hours laboratory and library work. Professor GRABAU and Dr. CAMPBELL

211–212—Phylogeny of a special group of fossil invertebrates. *C* 1 hour, *L* 6 hours. Professor GRABAU

213–214—Fossil faunas—Course 16 with additional conferences. Professor GRABAU

215–216—Stratigraphy. Research course. *L* 6 hours or more. Professor GRABAU

301–302—Palæogeography of North America. Development and changes of former continents and ocean basins. 1 hour seminar, and laboratory according to arrangement. *C* 1 hour, *L* 6 hours to 2 days. Pre-requisite, Geology **205–206**, and **16** or **213–214**. Professor GRABAU

B 1–2—General geology. Elementary course. *C* 2 hours, *L* 2 hours. 6 points. Dr. OGILVIE

B 101–102—General geology. Course 1–2 with *L* 4 hours additional. 8 points. Dr. OGILVIE

B 113—Summer field course—Two weeks in the field, and subsequent preparation of a report. Pre-requisite, **B 101–102**. Dr. OGILVIE

B 117–118—Glacial Geology and Advanced Physiography. *C* 1 hour. *L* to be arranged. Pre-requisite **101–102**. Dr. OGILVIE

B 119–120—General geology, advanced course. *C* and *L* to be arranged 4, 6 or 8 points. Pre-requisite **101–102**. DR. OGILVIE

The department has ample laboratories and a full equipment for its several lines of work. For details see the separately printed *Announcement*.

For the courses in geography see page 87

The following courses in palæobotany are offered at the New York Botanical Garden by Dr. ARTHUR HOLLICK

General palæobotany—Developmental history and structure of the fossil flora of some selected locality. Laboratory and museum.

Cretaceous flora of eastern North America—Collection and determination of specimens from some station with attention to stratigraphic relations. Field and laboratory.

The palæobotanical library and collections of Columbia University have been deposited at the New York Botanical Garden.

Germanic Languages and Literatures

WILLIAM HENRY CARPENTER, Ph.D.....*Villard Professor of Germanic Philology*
CALVIN THOMAS, LL.D., *Gebhard Professor of the Germanic Languages and Literatures*
ELIJAH WILLIAM BAGSTER-COLLINS, A.M.....*Adjunct Professor in Teachers College*
WILLIAM ADDISON HERVEY, A.M.....*Adjunct Professor*
RUDOLF TOMBO, JR., Ph.D.....*Adjunct Professor*
ARTHUR F. J. REMY, Ph.D.....*Adjunct Professor of Germanic Philology*
WILHELM ALFRED BRAUN, Ph.D.....*Instructor in Barnard College*
FREDERICK WILLIAM JUSTUS HEUSER, A.M.....*Tutor*
ALEXANDER OTTO BECHERT, A.M.....*Tutor in Barnard College*
ALLEN WILSON PORTERFIELD, A.M.....*Tutor in Barnard College*
ERNST RICHARD, Ph.D.....*Lecturer*

For the significance of course numbers see page 41

Courses in German

A 1–A 2—Elementary course. 3 hours. Professor HERVEY and Mr. HEUSER

B 1–B 2—Intermediate course. 3 hours. Professor REMY and Mr. HEUSER

2—Longer elementary course. 5 hours. Professor REMY and Mr. HEUSER

3–4—Composition and colloquial practice. Elementary course. 2 hours. Mr. HEUSER

5–6—Selected works of Goethe, Schiller, and Lessing. 3 hours. Professor HERVEY

7—Historical prose. 2 hours. Professor TOMBO

8—Historical prose. 2 hours. Professor TOMBO

9—Lessing's *Laokoön*. 2 hours. Professor REMY

10—Lessing's *Hamburgische Dramaturgie*. 2 hours. Professor REMY

11–12—Composition and colloquial practice. Advanced course. 2 hours. Dr. BRAUN

13—Selections from nineteenth century writers: Kleist and Grillparzer. 2 hours. Mr. HEUSER

14—Selections from nineteenth century writers: Hebbel and Ludwig. 2 hours. Mr. HEUSER

15–16—Goethe. Life and selected works. 2 hours. Professor HERVEY

101—History of German literature from the earliest times to the Reformation. 2 hours. Professor THOMAS

102—History of German literature from the Reformation to the nineteenth century. 2 hours. Professor THOMAS

103–104—Goethe's *Faust*. 2 hours. Professor HERVEY

105—German literature in the nineteenth century. 2 hours. Professor THOMAS

106—The contemporary German drama, with special reference to Hauptmann and Sudermann. 2 hours. Professor TOMBO

107–108—History of the German language. 2 hours. Professor W. H. CARPENTER

[109–110—Old High German. 2 hours. Professor W. H. CARPENTER]

111–112—Middle High German. Linguistic course. 2 hours. Professor HERVEY

[113–114—Middle High German. Literary course. 2 hours Professor HERVEY]

115–116—Old Saxon. 2 hours. Professor W. H. CARPENTER

129–130—Outlines of the history of German civilization. 2 hours. Dr. RICHARD

131–132—German civilization in the middle ages. 2 hours. Dr. RICHARD

51–52—German in secondary schools. 3 hours. Professor BAGSTER-COLLINS. Given in Teachers College

53–54—Educational German. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

[141–142—Modern German syntax. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College]

143–144—Phonetics. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

Education 169–170—Theory and practice of teaching German in secondary schools. 3 hours; practical work, 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

201–202—Proseminar. Great German writers. Lessing (first half-year). Goethe (second half-year). 2 hours. Professor THOMAS

[203–204—Proseminar. Great German writers. Schiller (first half year). Heine (second half-year). 2 hours. Professor THOMAS]

[207–208—The Storm and Stress Period. 2 hours. Professor HERVEY]

Courses in Scandinavian Languages

[117–118—Swedish. 2 hours. Professor THOMAS]

119–120—Danish. 2 hours. Professor THOMAS

121–122—Icelandic. Elementary course. 2 hours. Professor W. H. CARPENTER

[123-124—Icelandic. Advanced course. 2 hours. Professor W. H. CARPENTER]

Course in Dutch

[125–126—Dutch. 2 hours. Professor W. H. CARPENTER]

Course in Gothic

127–128—Gothic. 2 hours. Professor REMY

Germanic Philology

205–206—General introduction to Germanic philology. 2 hours. Professor REMY

210—Germanic mythology. 2 hours in second half-year. Professor W. H. CARPENTER

211–212—Current bibliography. 1 hour. Professors W. H. CARPENTER, THOMAS, HERVEY, TOMBO, REMY

Germanic Seminar

301—The beast epic in German literature. 2 hours. Professor W. H. CARPENTER

302—Shakspere in Germany. 2 hours. Professor THOMAS

The Seminar is open to advanced students only. Attendance at the meetings will be obligatory upon candidates for the degree of Doctor of Philosophy whose major subject lies in this department.

Public Lectures

Lectures in the German language on popular subjects, intended primarily for the students of the University, but to which the general public is also invited, are given each year under the auspices of the department.

Journal Club

The Journal Club is an organization founded in 1902 for the purpose of reviewing and discussing important contributions to recent numbers of the numerous journals devoted to Germanic studies. The Club consists of the officers, fellows, and scholars of the department. Meetings are held once in two weeks in the departmental library.

Deutscher Verein

The Deutscher Verein of Columbia University, founded in 1898, is an association of the students and instructors of the University who are interested in the culture of the German language and literature, and in the acquisition of a more intimate knowledge of Germany, of German institutions, and of the German people than is furnished by academic study alone. The active membership consists of instructors in all departments of the University, of students in residence to the limited number of fifty, and of previous members of the Verein who are no longer students. An honorary membership is made up of prominent German-speaking citizens of New York. Stated meetings are held on the second and fourth Mondays of each month in the room assigned to the Verein in West Hall, which is accessible at all times and forms a convenient club and reading-room.

Equipment

The University Library offers excellent facilities for the study of German, both on the literary and the linguistic side. In German literature most periods are well represented. The Goethe collection, which consists of more than 1300 titles, affords to the student of Germany's greatest author an exceptional opportunity for the prosecution of his researches. The Scandinavian collection contains a good representation of the ancient saga and poetical literature, and most of the eminent writers of modern Norway, Denmark, and Sweden. The Holland Society library, deposited with the University in 1901, contains a considerable collection of books and pamphlets in the Dutch language from all periods.

The Library has sets and the current numbers of all the important periodicals which deal with Germanic literature and Germanic and general philology. It has also sets of periodicals no longer published, and a large collection of the transactions and publications of the learned societies of America and Europe.

A reference library of 1200 volumes, containing the most important subsidia for the critical study of the Germanic languages and literatures—dictionaries, bibliographies, biographies, histories of literature, and the like—and independent of the main collection in the University Library, is placed in a room adjacent to the main lecture-room and the offices of the department in University Hall.

The income of the Carl Schurz Library Fund ($10,000), contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, is, by the terms of the gift, devoted in perpetuity to the purchase of books in the field of the German language and literature.

For the Carl Schurz Fellowship in the German Language and Literature, see page 392.

Greek

EDWARD DELAVAN PERRY, Ph.D., LL.D.....*Jay Professor*
JAMES RIGNALL WHEELER, Ph.D.....*Professor of Greek Archæology and Art*
GONZALEZ LODGE, Ph.D.....*Professor of Latin and Greek in Teachers College*
CLARENCE HOFFMAN YOUNG, Ph.D.....*Professor*
CHARLES KNAPP, Ph.D.....*Professor of Classical Philology*
GERTRUDE MARY HIRST, Ph.D.....*Instructor in Classical Philology in Barnard College*
ROSCOE GUERNSEY, Ph.D.....*Tutor*
THEODORE LESLIE SHEAR, Ph.D.....*Tutor in Classical Philology in Barnard College*
EDGAR H. STURTEVANT, Ph.D.....*Tutor in Classical Philology in Barnard College*

Courses

For the significance of course numbers see page 41

1–2—Elementary course. 5 hours. Dr. GUERNSEY

3–4—First half-year: Plato and Lysias. Second half-year: Homer's *Odyssey*, selections. Greek prose composition. 3 hours. Dr. GUERNSEY

5–6—First half-year: Euripides and Sophocles; required reading and lectures on the Greek drama. Second half-year: Demosthenes, with required reading as above. 3 hours. Professor YOUNG (first half-year) and Dr. GUERNSEY (second half-year)

An additional hour weekly in advanced Greek composition is offered.

21–22—Rapid reading of Homer. 2 hours. Professors WHEELER and PERRY

25–26—First half-year: Sophocles and Aristophanes. Second half-year: Thucydides. For private reading in the course of the year: Plato, *Protagoras* or selections. 3 hours. Dr. GUERNSEY (first half-year) and Professor YOUNG (second half-year)

27–28—Greek composition, advanced course. One session weekly, with written exercises, counting as a two-hour course. Professor YOUNG. Open to women graduate students.

29–30—New Testament, Greek. 2 hours. Professor YOUNG

103–104—Lectures on Greek literature. Part II: Prose. 2 hours. Professor WHEELER

107–108—Aristotle, *Constitution of Athens.* 3 hours. Professor YOUNG

109–110—Lyric and Bucolic Poets. 3 hours. Professor PERRY

149–150—Introduction to classical archæology. 2 hours. Professors WHEELER, YOUNG, and OLCOTT

153–154—Introduction to Greek archæology. Part II: Sculpture. 2 hours. Professor YOUNG

159–160—The Acropolis of Athens. 2 hours. Professor WHEELER

251–252—Greek dialectic inscriptions. 2 hours. Professor PERRY

Classical Proseminar

301–302—Lectures on the principles and methods of classical study, with Greek and Latin bibliography, and exercises. 2 hours. Professors PERRY and PECK

Classical Seminar

303–304—Greek section: Euripides. One session weekly throughout the year, counting as a three-hour course. Professor WHEELER

Courses in Barnard College

1–2—Beginners' course: Grammar, composition, Xenophon's *Anabasis*, Homer's *Iliad*. 5 hours. Dr. STURTEVANT

3–4—Homer and Euripides. Greek life and thought. 3 hours. Dr. SHEAR

5–6—Plato and Xenophon. Prose composition. 3 hours. Miss HIRST and Dr. SHEAR

7–8—Sophocles and Aristophanes. 2 hours. Professor KNAPP

9–10—Herodotus and Demosthenes. 3 hours. Miss HIRST

11–12—Rapid reading of Homer. 2 hours. Dr. STURTEVANT

15-16—Æschylus and Thucydides. 3 hours. Dr. SHEAR

17-18—Elementary Greek prose composition. 1 hour. Dr. SHEAR

19-20—Greek literature. 2 hours. Dr. SHEAR

21-22—Intermediate Greek prose composition. 1 hour. Miss HIRST

23-24—Advanced Greek prose composition. 1 hour. Miss HIRST

25-26—Greek life and thought. 1 hour. Dr. SHEAR

Courses in Teachers College

Education 171-172—Theory and practice of teaching Greek in secondary schools—Lectures reports, and practical work. 3 hours. Professor LODGE

Gynecology

EDWIN B. CRAGIN, M.D. ..... *Professor*
PORTER F. CHAMBERS, M.D. ..... *Clinical Professor of Gynecology*
FRANK R. OASTLER, M.D. ..... *Clinical Lecturer and Instructor*
FRANK S. MATHEWS, M.D. ..... *Instructor*
HOWARD C. TAYLOR, M.D. ..... *Instructor*
WILLIAM P. HEALY, M.D. ..... *Instructor*
CHARLES J. PROBEN, M.D. ..... *Instructor*
GEORGE H. RYDER, M.D. ..... *Instructor*

Clinical Assistants

WM. L. BRADLEY, M.D. PERCY H. WILLIAMS, M.D.
HAROLD D. MEEKER, M.D.

Courses

See preliminary paragraphs, page 41

52—The principles and practice of gynecology—Lectures, 3 a week, 2 didactic and 1 clinical. Professor CRAGIN

53—Recitations and demonstrations. 1 hour a week for each student. Dr. MATHEWS

55-56—Minor operations and demonstrations to small sections at the Roosevelt Hospital. 2 a week for four weeks. Dr. TAYLOR

57-58—Practical instruction in diagnosis, treatment, and the use of instruments. 12 lessons for each student, at the Vanderbilt Clinic. Drs. OASTLER, PROBEN, HEALY, and RYDER

59-60—Hospital clinic in operative gynecology—Roosevelt Hospital, McLane Operating Theatre, Dr. TUTTLE (optional)

61-62—Clinic in Operative Gynecology—Woman's Hospital. Tu. at 2.30 P.M. Professor CHAMBERS

Histology and Embryology

(See note under Pathology, top of page 126)

FREDERICK RANDOLPH BAILEY, M.D.....*Adjunct Professor*
ADAM MARION MILLER, A.M.....*Instructor*
OLIVER S. STRONG, A.M., Ph.D.....*Instructor*
CHARLES EVERETT BANKER, M.D.....*Assistant*
CHARLES HENDEE SMITH, M.D.....*Assistant*

Courses

51–52—Practical instruction in histology and embryology. 7½ hours. Professor BAILEY and Drs. STRONG, MILLER, BANKER, and SMITH

Equipment

Instruction in histology and embryology is given in the east laboratory on the upper floor of the north wing of the Medical School. This is a large, well lighted, and fully equipped laboratory in which each student is assigned a table which he occupies during the course and which is supplied with a microscope and with the instruments and reagents necessary for the practical laboratory work.

History and Political Philosophy

WILLIAM MILLIGAN SLOANE, Ph.D., L.H.D., LL.D. *Seth Low Professor*
HERBERT LEVI OSGOOD, Ph.D., LL.D.....*Professor*
WILLIAM ARCHIBALD DUNNING, Ph.D., LL.D..*Lieber Professor of History and Political Philosophy*
JAMES HARVEY ROBINSON, Ph.D.....*Professor*
WILLIAM ROBERT SHEPHERD, Ph.D.....*Adjunct Professor*
JAMES THOMPSON SHOTWELL, Ph.D.....*Adjunct Professor*
GEORGE WILLIS BOTSFORD, Ph.D.....*Adjunct Professor*
VLADIMIR G. SIMKHOVITCH, Ph.D.....*Adjunct Professor*
CARLTON HUNTLEY HAYES, A.M.....*Lecturer*
MAUDE ALINE HUTTMANN, A.M.....*Lecturer*

Courses

See preliminary paragraphs, page 41.

A1–A2—Epochs of ancient, mediæval, and modern history. 3 hours. Columbia College, Professor SHEPHERD, Mr. HAYES, and assistants. Barnard College, Professor SHOTWELL and Miss HUTTMANN

[**3–4**—Greece and early Rome. 3 hours. Professor BOTSFORD]

5–6—The Roman empire. 3 hours. Professor BOTSFORD

[7–8—Mediæval and modern history to the peace of Westphalia. 3 hours. Professor SHOTWELL]

9–10—Continental European history, modern and contemporaneous. 3 hours. Columbia College, Professor SHOTWELL and Mr. HAYES; Barnard College, Professor SHOTWELL and Miss HUTTMANN

11–12—Survey of English history. 3 hours. Professor BEARD

13–14—History of the United States to the close of Reconstruction. 3 hours. Columbia College, Professor DUNNING; Barnard College, Professor SHEPHERD

103—History of India and of Persia. 2 hours. Professor JACKSON

104—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor GOTTHEIL

109—The history of Western Asia and Egypt. 2 hours. Professor PRINCE

111–112—The language, literature, government, and social life of the Chinese. 1 hour. Professor HIRTH

113–114—History of China. 1 hour. Professor HIRTH

121–122—The intellectual history of western Europe from the break-up of the Roman empire to the Protestant revolt. 2 hours. Columbia College, Professor ROBINSON and Mr. HAYES; Barnard College, Professor ROBINSON and Miss HUTTMANN

[125–126—Constitutional history of England to 1660. 2 hours. Professor OSGOOD]

[151—European history, 1815–1848. 4 hours. Professor SLOANE]

153—Contemporary European history since 1848. 4 hours. Professor SLOANE

157–158—History of Great Britain during the eighteenth and nineteenth centuries. 2 hours. Professor OSGOOD

161–162—Political and constitutional history of the United States. 2 hours. Columbia College, Professor BURGESS; Barnard College, Professor SHEPHERD

181–182—General history of political theories. 2 hours. Professor DUNNING

[213–214—The period of transition in Roman history from the republic to the empire. 2 hours. Professor BOTSFORD]

215–216—Greek constitutional history. 2 hours. Professor BOTSFORD

217–218—The Roman empire. 2 hours. Professor BOTSFORD

221—Later Roman empire and early middle ages. 2 hours. Professor SHOTWELL

[223—Europe in the twelfth and thirteenth centuries. 2 hours. Professor SHOTWELL]

226—The so-called Italian renaissance and the opening of the Protestant revolt. 2 hours. Professor Robinson.

229–230—Ancient and mediæval church history.[1] Professors McGIFFERT and ROCKWELL

231–232—Modern and American church history.[1] Professor ROCKWELL

233–234—History of thought in the primitive Catholic Church.[1] Professor McGIFFERT

235–236—History of Protestant thought.[1] Professor McGIFFERT

237—English church history.[1] Professor McGIFFERT

238—History of early Christian literature.[1] Professor McGIFFERT

239–240—Principles and methods of historical investigation.[1] Professor ROCKWELL

241–242—Religious thought in the middle ages.[1] Professor McGIFFERT

243—History of the church during the first three centuries.[2] Professor KINSMAN

244—Period of the councils.[2] Professor KINSMAN

245—Studies in the apostolic age.[2] Professor KINSMAN

246—Church of the middle ages and continental reformation.[2] Professor KINSMAN

247—History of the church of England.[2] Professor KINSMAN

248—The church in Smyrna.[2] Professor KINSMAN

249—The church in Jerusalem.[2] Professor KINSMAN

[252—The reforms of the French revolution. 4 hours. Professor ROBINSON]

253—The economic and social evolution of Russia since 1800. 2 hours. Professor SIMKHOVITCH

261–262—American colonial history during the seventeenth century. 2 hours. Professor OSGOOD

[263–264—American colonial history during the eighteenth century. 2 hours. Professor OSGOOD]

267–268—The United States from 1850, with special reference to the Civil War and Reconstruction. 2 hours. Professor DUNNING

271–272—History of Spanish America. 2 hours. Professor SHEPHERD

[273–274—The development of the West since 1803. 2 hours. Professor SHEPHERD]

[281–282—American political philosophy. 2 hours. Professor DUNNING]

[1] Given at the Union Theological Seminary.

[2] Given at the General Theological Seminary.

311–312—Seminar in Greek and Roman history. 2 hours, bi-weekly. Professor BOTSFORD

321—Historical bibliography; the sources of European history; methods of historical study. 2 hours. Professors ROBINSON, SHOTWELL, and SIMKHOVITCH

331–332—Seminar in church history.[1] Professors MCGIFFERT and ROCKWELL

357—The work of Napoleon. 2 hours. Professor SLOANE

361–362—The American Revolution. 2 hours. Professor OSGOOD

[363–364—Seminar in American colonial history. 1 hour. Professor OSGOOD]

365—European politics and the war of 1812. 2 hours. Professor SLOANE

[367–368—Seminar in later United States history. 1 hour. Professor DUNNING]

371–372—Seminar in the early history of the South and West. 2 hours, bi-weekly. Professor SHEPHERD

381–382—Seminar in political philosophy. 1 hour. Professor DUNNING

Equipment

The University Library contains many of the great published collections for the study of ancient, mediæval, and modern history. The special library of history and political science numbers upwards of 120,000 volumes. The great libraries of New York, Astor, Lenox, and Tilden foundations, those of the New York and Long Island Historical Societies, and of the Bar Association are, under certain conditions, also accessible to students. Fuller information as to courses and opportunities for historical work is given in the *Announcement of the Division of History, Economics, and Public Law*, which may be obtained by applying to the Secretary of the University. Under the auspices of the Academy of Political Science, to which advanced students are eligible as members, opportunities are given for the discussion of questions of interest as presented in papers by specialists.

The department employs in its work the best French and German historical maps and one of the four largest relief globes ever made.

Hospital Economics

Two courses in Hospital Economics are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special *Hospital Economics Announcement.*

See also Botany and Zoölogy, pages 53 and 150 respectively.

[1] Given at the Union Theological Seminary.

Latin

HARRY THURSTON PECK, Ph.D., L.H.D., LL.D.....*Anthon Professor*
JAMES C. EGBERT, Ph.D.....*Professor*
NELSON G. MCCREA, Ph.D.....*Professor*
GONZALEZ LODGE, Ph.D., LL.D.....*Professor of Latin and Greek in Teachers College*
CHARLES KNAPP, Ph.D.....*Professor of Classical Philology in Barnard College*
GEORGE N. OLCOTT, Ph.D.....*Adjunct Professor*
GERTRUDE MARY HIRST, Ph.D.....*Instructor in Classical Philology in Barnard College*
THEODORE LESLIE SHEAR, Ph.D.....*Tutor in Classical Philology in Barnard College*
EDGAR HOWARD STURTEVANT, Ph.D.....*Tutor in Classical Philology in Barnard College*
DINO BIGONGIARI, A.B.....*Lecturer*

Courses

See preliminary paragraphs, page 41

A 1–A 2—First half-year: Livy, xxi–xxii. Second half-year: *Odes* and *Epodes* of Horace. 3 hours. Professors PECK, EGBERT, MCCREA, and OLCOTT, and Mr. BIGONGIARI

1–2—Tacitus: *The Annals* (Books i–iii). Horace: *Satires*. 3 hours Professor OLCOTT

3–4—First half-year: Cicero's *Letters*. Second half-year: Pliny's *Letters*. 2 hours. Professor MCCREA

[**5–6**—Juvenal and Martial. 2 hours. Professor EGBERT]

[**7–8**—Terence: *Andria* and *Adelphoe*. Plautus: *Amphitruo* and *Captivi*. 2 hours. Professor MCCREA]

9–10—Terence: *Andria* and *Heautontimorumenos*. 2 hours. Professor PECK

11–12—Prose composition. 1 hour. Professor EGBERT

15–16—Prose composition. 1 hour. Professor MCCREA

[**103–104**—Rapid reading of Horace and Ovid. 2 hours. Professor PECK]

105–106—Lectures on the history of Greek and Roman prose fiction. 2 hours. Professor PECK

[**107–108**—Roman history. Tacitus, *Annals* xi–xvi. 3 hours. Professor EGBERT]

[**109–110**—Lectures on the sources of Roman history. 2 hours. Professor EGBERT]

111–112—Lucretius (i–iii and v). 3 hours. Professor MCCREA

[113–114—Selections from Apuleius (The *Asinus Aureus*). 2 hours. Professor PECK]

[115–116—Roman oratory: Cicero's *Verrine Orations*. 2 hours. Professor MCCREA]

[117–118—Roman oratory. Cicero: *De Oratore*, *Pro Milone*, *Philippica ii.*, *Pro Cluentio*. 3 hours. Professor MCCREA]

119–120—Latin prose composition (advanced course). 1 hour, to count as 2 hours. Professor MCCREA

[121–122—The *Cena Trimalchionis* of Petronius. 2 hours. Professor PECK]

[123–124—The history of classical philology. Lectures. 2 hours. Professor PECK]

[125–126—Roman tragedy. The Fragments and Seneca. 3 hours. Professor KNAPP]

[127–128—Plautus: *The Mostellaria*. Seneca: *The Medea*. 3 hours. Professor PECK]

151–152—Roman epigraphy (introductory course). 2 hours. Professor EGBERT

155–156—Private life of the Romans. Lectures and readings. 2 hours. Professor OLCOTT

[175–176—The topography and monuments of ancient Rome. The kingly and republican periods to B.C. 31. 2 hours. Professor OLCOTT]

[177–178—The topography and environment of ancient Rome. "The Empire." 2 hours. Professor OLCOTT]

[201–202—The history of Latin syntax. 2 hours. Professor LODGE]

[205–206—Roman lyric and elegiac poetry. 3 hours. Professor MCCREA]

[207–208—Latin manuscripts. 1 hour. Professor EGBERT]

209–210—Roman satire in its historical development. 3 hours. Professor EGBERT

215–216—Roman epic poetry. 3 hours. Professor KNAPP

[217–218—Roman philosophy. Lectures, with a careful reading of Cicero's *De Officiis* and *Tusculanæ*. 3 hours. Professor PECK]

[219–220—Latin literature. Period of the Republic. 2 hours. Professor PECK]

[221–222—Latin literature. Period of the Empire. 2 hours. Professor PECK]

223–224—The Italic dialects—Umbrian, Osco-Sabellian, Faliscan. 1 hour. Professor OLCOTT

[227–228—Latin versification. Theory and practice. 1 hour. Professor PECK]

257–258—Roman epigraphy (advanced course). 2 hours. Professor OLCOTT

261–262—Introduction to the study of Roman numismatics. 1 hour. Professor OLCOTT

[269—Roman archæology. Lectures. 2 hours, first half-year. Professor EGBERT]

[270–271—The historical development of the Latin language. 2 hours. Professor PECK]

Classical Proseminar

Lectures on the principles and methods of classical study, with Greek and Latin bibliography. 2 hours. Professors PECK and PERRY

Classical Seminar

Latin section: Latin literature of the early Empire. One session of two hours every other week throughout the year. Professor PECK

Attendance is obligatory upon candidates for the degree of Doctor of Philosophy and is strongly recommended to those for the Master's degree whose major subject lies in this department.

Courses in Barnard College

A1–A2—First half-year: Horace, *Odes* (selections); Roman Life and Thought (lectures and readings). Second half-year: Vergil, *Eclogues*, Ovid (selections); Roman Life and Thought. 3 hours. Professor KNAPP and Dr. SHEAR

B1–B2—First half-year: Cicero, *De Senectute* and *De Amicitia;* prose composition. Second half-year: Livy, xxi–xxii (selections); prose composition. 3 hours. Professor KNAPP and Dr. STURTEVANT

1–2—First half-year: Catullus, Tibullus, and Propertius. Second half-year: Juvenal and Martial. 2 hours. Dr. HIRST and Dr. STURTEVANT

3–4—First half-year: Pliny, *Epistles* (selections). Second half-year: Tacitus, *Annals*, i–vi (selections). 3 hours. Dr. STURTEVANT and Dr. HIRST.

5–6—First half-year: Cicero, *Tusculan Disputations*. Second half-year: Lucretius (selections). 3 hours. Professor KNAPP and Dr. HIRST

7–8—First half-year: Terence, *Andria* and *Phormio*. Second half-year: Plautus, *Rudens* and *Menæchmi*. 2 hours. Professor KNAPP

9–10—Latin literature (lectures and required reading). 2 hours. Professor KNAPP

13–14—Elementary Latin prose composition. 1 hour. Professor KNAPP

15–16—Intermediate Latin prose composition. 1 hour. Dr. HIRST

17–18—Advanced Latin prose composition. 1 hour. Dr. HIRST

19–20—Roman Life and Thought. 1 hour. Professor KNAPP

Courses in Teachers College

Education 175-176—The teaching of Latin in secondary schools. 3 hours. Professor LODGE

Education 275-276—Practicum in Latin.—Cæsar and Vergil. 2 hours. Professor LODGE

Latin 51-52—Latin readings. 3 hours. Professor LODGE

101-102—Latin readings. Advanced. 2 hours. Professor LODGE

LAW

Municipal or Private Law

GEORGE W. KIRCHWEY, A.B.....*Kent Professor*
FRANCIS M. BURDICK, LL.D.....*Dwight Professor*
GEORGE F. CANFIELD, A.M., LL.B.....*Professor*
HENRY S. REDFIELD, A.M., LL.D.....*Nash Professor*
CHARLES THADDEUS TERRY, A.B., LL.B.....*Professor*
NATHAN ABBOTT, A.B., LL.B.....*Professor*
HARRY ALONZO CUSHING, Ph.D., LL.B.....*Professor*
RUDOLF LEONHARD, Dr.Jur.....*Kaiser Wilhelm Professor*
JOHN C. GRAY, LL.D.....*Carpentier Lecturer*
GOLDTHWAITE H. DORR, A.B., LL.B.....*Lecturer*

Courses

See preliminary paragraphs, page 41

101–102—Contracts. 4 hours. Professor TERRY

103—Criminal law. 3 hours. Professor CUSHING

104—Equity I. 3 hours. Professor ABBOTT

105—Elements of law. 3 hours. Professor MUNROE SMITH

106—Pleading I. 3 hours. Professor REDFIELD

107–108—Property I. 2 hours. Professor KIRCHWEY

109–110—Torts. 2 hours. Professor BURDICK

204—Admiralty. 2 hours. Mr. DORR

201—Agency. 3 hours. Professor CUSHING

202—Bailments. 3 hours. Mr. DORR

206—Bankruptcy. 2 hours. Professor CUSHING

[203—Damages. 2 hours]

[205—Domestic relations. 2 hours. Professor ABBOTT]

207–208—Equity II. 2 hours. Professor ABBOTT

[211—Insurance. 2 hours]

209–210—Negotiable paper. 2 hours. Professor BURDICK
213–214—Pleading II. 2 hours. Professor REDFIELD
215–216—Property II. 2 hours. Professor KIRCHWEY
217—Quasi contracts. 3 hours. Professor CUSHING
219–220—Sales. 2 hours. Professor BURDICK
221–222—Corporations. 2 hours. Professor CANFIELD
223–224—Equity III. 2 hours. Professor ABBOTT
225–226—Evidence. 2 hours. Professor KIRCHWEY
227—Mortgages. 3 hours. Professor CUSHING
228—New York trusts. 2 hours. Professor CANFIELD
229–230—Partnership. 2 hours. Professor BURDICK
231—Pleading III. 3 hours. Professor REDFIELD
233–234—Property III. 2 hours. Professor ABBOTT
[235—Receivers. 2 hours]
[232—Suretyship. 2 hours]
236—Wills. 3 hours. Professor REDFIELD

Public Law and Jurisprudence

JOHN WILLIAM BURGESS, Ph.D., LL.D.....*Ruggles Professor*
MUNROE SMITH, J.U.D., LL.D.....*Professor*
[1] FRANK JOHNSON GOODNOW, LL.D.....*Eaton Professor*
JOHN BASSETT MOORE, LL.D.....*Hamilton Fish Professor*

The courses in this department fall into two divisions: public law and jurisprudence. The purpose of the courses in public law is to give a complete general view of international, constitutional, and administrative law. They serve primarily to supplement the courses in the Departments of History and Economics, and to give with them a complete system of political science. In the second place, they supplement the courses offered by the Faculty of the School of Law, constituting with these a well-rounded legal curriculum. The courses in international, constitutional, and administrative law are also recommended to journalists, students of philosophy and theology, and in general to all who desire to understand the organization and working of governmental systems. The courses on private rights under the Constitution of the United States, on the law of taxation, on the law of municipal corporations, and on conflict of laws are more professional in their character, and are chiefly intended for law students.

The courses in Roman law and comparative jurisprudence, while constituting an integral portion of a complete legal education, will be found useful to all those who desire a general comprehension of the principles of private law rather than a professional training in its de-

[1] Absent on leave

tails. The introductory course upon the Elements of Law (161), that upon the Roman law (263-264), and that upon European legal history (265–266) are especially recommended to students of history, economics, and philosophy.

For information as to the Theodore Roosevelt Professorship see page 32.

For the significance of course numbers see page 41

Courses in Public Law

A—Constitutional Law

201–202—Comparative constitutional law of the principal modern states—Lectures. 2 hours. Professor BURGESS

203–204—Private rights and immunities under the Constitution of the United States—Discussion of cases. 2 hours. Professor BURGESS

101–102—American constitutional law in its historical development—Lectures. 2 hours. (Identical with History 169–170) Professor BURGESS

319–320—Advanced seminar in constitutional law—Investigation and discussion. 1 hour. Professor BURGESS

The courses in the constitutional history of Europe and England (*cf.* courses in history) are regarded as a necessary introduction to the above courses in constitutional law.

B—International Law

221—History of diplomacy—Lectures. 2 hours. Professor MOORE

120—History of American diplomacy—Lectures. 2 hours. Professor MOORE

223–224—International law—Lectures. 2 hours. Professor MOORE

337–338—Seminar in international law. 2 hours. Professor MOORE

C—Administrative Law

242—Law of officers (extraordinary legal remedies). 2 hours. Mr. POWELL

246—Law of taxation—Lectures and discussion of cases. 2 hours. Mr. POWELL

245—Law of municipal corporations—Lectures and discussion of cases. 2 hours. Mr. POWELL

Courses in Roman Law and Comparative Jurisprudence

161—Elements of Law—Lectures and assigned reading. 3 hours. Professor MUNROE SMITH

263–264—Roman Law—Lectures, assigned reading, and discussion of cases. 2 hours. Professor LEONHARD and Professor MUNROE SMITH

265–266—History of European law (early German law; Frankish law; feudalism; the canon law; the law merchant; the reception of the Roman civil law; the modern civil codes)—Lectures. 2 hours. Professor MUNROE SMITH

268—Modern civil law of western Europe: Introduction to the private law of France, Italy, Spain, and Germany—Lectures. 3 hours. Professor MUNROE SMITH

269–270—Conflict of laws—Lectures and discussion of cases. 1 hour. Professor MOORE

[377–378—Seminar in legal history and comparative legislation. 1 hour. Professor LEONHARD and Professor MUNROE SMITH]

379–380—Advanced seminar in comparative jurisprudence. 1 hour. Professor MUNROE SMITH

Politics

CHARLES AUSTIN BEARD, Ph.D.....*Adjunct Professor*

Courses

1–2—American government. 3 hours. Professor BEARD

3—American political parties. 3 hours. Professor BEARD

4—Comparative politics. 3 hours. Professor BEARD

Materia Medica

(See page 128.)

Manual Training

(See Shop Work, page 148.)

Mathematics

J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D.....*Professor*
THOMAS SCOTT FISKE, Ph.D.....*Professor*
FRANK NELSON COLE, Ph.D.....*Professor*
CHARLES EARLE BIKLÉ, A.M.....*Adjunct Professor*
JAMES MACLAY, Ph.D.....*Professor*
DAVID EUGENE SMITH, Ph.D.....*Professor*
CASSIUS JACKSON KEYSER, Ph.D.....*Adrain Professor*
HENRY BEDINGER MITCHELL, E.E., A.M.....*Adjunct Professor*
EDWARD KASNER, Ph.D.....*Adjunct Professor*
GEORGE HERBERT LING, Ph.D.....*Instructor*
ARTHUR RAY MAXSON, A.M.....*Tutor*

LEWIS PARKER SICELOFF, A.M. ..... *Tutor*
WILLIAM C. KRATHWOHL, A.B. ..... *Tutor*
GEORGE WILBER HARTWELL, A.M. ..... *Lecturer*
HARRY WILFRED REDDICK, A.M. ..... *Assistant*
CHARLES A. ISAACS, A.B. ..... *Assistant*

Courses

For the significance of course numbers, see page 41

A[1]—Algebra. 2 hours, first half-year. Professors MACLAY and MITCHELL, Dr. LING, Mr. MAXSON, Mr. SICELOFF, and Mr. HARTWELL

A[1]—Geometry. 2 hours, first half-year. Professor MITCHELL, Dr. LING, Mr. MAXSON, Mr. SICELOFF, and Mr. HARTWELL

A[2]—Trigonometry. 2 hours, second half-year. Professor MITCHELL, Dr. LING, Mr. MAXSON, Mr. SICELOFF, and Mr. HARTWELL

2—Trigonometry—Spherical trigonometry with applications. 2 hours. Professor MITCHELL, Mr. MAXSON, Mr. SICELOFF, and Mr. HARTWELL

3–4—Analytical geometry. 3 hours. Professors KEYSER and MITCHELL, Dr. LING, Mr. MAXSON, Mr. SICELOFF, and Mr. HARTWELL

5–6—Differential and integral calculus. 3 hours. Professors VAN AMRINGE, MACLAY, and KEYSER

[7—Projective geometry. 3 hours. Dr. LING]

9—Solid analytical geometry. 3 hours. Mr. MAXSON

11—Higher algebra. 3 hours. Mr. SICELOFF

12—Mathematics of statistics. 3 hours. Dr. LING

101–102—Modern theories in geometry. 3 hours. Professor KEYSER

103–104—Application of the calculus to the theory of surfaces and curves in space. 3 hours. Professor MACLAY

[105—Theory of numbers. 3 hours. Dr. LING]

107—Vector analysis. 3 hours. Professor MITCHELL

[109–110—Elements of quaternions. 2 hours. Professor MITCHELL]

111–112—Modern higher algebra. 3 hours. Dr. LING

113–114—Differential equations. 2 hours. Professor MITCHELL

[151–152—History of mathematics. 2 hours. Professor SMITH]

[201–202—Advanced calculus—Introduction to the theory of functions of a real variable. 3 hours. Professor FISKE]

203–204—Theory of functions of a complex variable. 3 hours Professor MACLAY

[205–206—Introduction to the theory of functions. 3 hours. Professor Cole]

207–208—Theory of groups. 3 hours. Professor Cole

[209–210—Functions defined by linear differential equations. 3 hours. Professor Fiske]

211–212—The general theory of assemblages. 3 hours. Professor Keyser

213–214—Theory of invariants. 3 hours. Professor Cole

[216—Advanced theory of numbers. 3 hours. Dr. Ling]

[217–218—The application of the calculus to the theory of surfaces. 3 hours. Professor Maclay]

219–220—Differential equations and continuous groups. 2 hours. Dr. Kasner

[221–222—Theory of plane curves. 3 hours. Professor Cole]

[223–224—The principles of mathematics. 3 hours. Professor Keyser]

[225–226—Partial differential equations. 2 hours. Professor Kasner]

[227–228—Elliptic functions. 3 hours. Professor Maclay]

Courses Given Separately at Barnard College

Course A^1– A^2 is given by Dr. Kasner and Mr. Krathwohl. Courses in Analytical Geometry (No. **21,** 3 hours), in Elementary Calculus (No. **22,** 3 hours), in Differential Equations (Nos. 29–30), and in the Fundamental Concepts of Modern Mathematics (Nos. **33–34,** 3 hours), by Professor Kasner

Courses in the Theory of Equations (Nos. 23–24, 3 hours), and in Projective Geometry (Nos. 27–28, 3 hours), Advanced Analytical Geometry (Nos. **31–32,** 3 hours), by Mr. Krathwohl; and in Calculus (Nos. **5–6,** 3 hours), by Professor Cole

Equipment

In connection with the Department of Mathematics and in addition to the regular library facilities there is a large and fully equipped reading-room, 501 Fayerweather, in which are available the current numbers of over one hundred and fifty mathematical journals and periodicals, including nearly every mathematical journal of standing published.

The Department has, within the year, secured complete sets of the Wiener and Schilling collections of models, thereby greatly enriching the collection of mathematical models and charts heretofore in its possession. To make this material equipment available for study and inspection, room 503 Fayerweather has been fitted with glass cases

to receive and exhibit the models. It has also been provided with drawing facilities, making it a mathematical model and laboratory room.

Teachers College is well supplied with models and apparatus for use in teaching mathematics in all grades, from the kindergarten through the high school, together with various instruments for mechanical computation including the latest form of De Colmar arithmometer. For work in the history of mathematics a large collection of stereopticon slides has been prepared, illustrating many of the most interesting manuscripts and early books on mathematical subjects.

Mechanical Engineering

CHARLES E. LUCKE, M.S., Ph.D. ..... *Adjunct Professor*
WALTER RAUTENSTRAUCH, M.S. ..... *Adjunct Professor*
HARRY L. PARR, A.B., Mech.E. ..... *Instructor*
EDWARD J. KUNZE, B.S., M.E. ..... *Tutor*
EDWARD D. THURSTON, Jr., A.B., Mech.E. ..... *Assistant*

Courses

See also preliminary paragraphs, page 41

11–12—Steam Power Machinery—Steam-engines and their mechanisms. I hour. Professor LUCKE

13—The steam-engine and its accessories—Steam Power Machinery continued. 2 hours. Professor LUCKE

14—The steam-boiler and its accessories—Steam Power Machinery concluded. 2 hours. Professor LUCKE

15—Valve-gearing for engines. 1 hour, and afternoon work in draughting-room. Professor RAUTENSTRAUCH

17–18—Applied Thermodynamics. 1 hour. Professor LUCKE

19–20—Steam-engine design. 2 hours, with afternoon work in drawing-room. Professor RAUTENSTRAUCH

21–22*c*—Principles and design of the gas engine. 3 hours and one afternoon, first half-year; 2 hours and 1 afternoon, second half-year. Professor LUCKE

25–26—Power plant layout and specification. 2 hours and 1 afternoon, first half-year, and 1 hour and 1 afternoon, second half-year. Professor LUCKE

31–32—Experimental mechanical engineering. Laboratory methods. Calibration. Solution of problems. 1 hour and one afternoon. Professor LUCKE, Mr. PARR, and Mr. THURSTON

33—Experimental mechanical engineering—Continuation of Course 31–32. 2 hours lecture and one afternoon. Professor LUCKE, Mr. PARR, and Mr. THURSTON

35–36—Kinematics. 2 hours. Professor RAUTENSTRAUCH and Mr. KUNZE

37—Mechanics of materials. 4 hours. Professor RAUTENSTRAUCH

39–40—Principles of Machine Design. 1 hour and 1 afternoon, first half-year; 2 hours, second half-year. Professor RAUTENSTRAUCH and Mr. KUNZE

41–42—Design of Special Machinery. 1 afternoon, first half-year; 4 afternoons, second half-year. Professor RAUTENSTRAUCH and Mr. KUNZE

46—Hydraulic machinery. 3 hours. Mr. KUNZE

52—Works management. 2 hours. Professor RAUTENSTRAUCH

69—Steam Power Machinery. 1 hour. Mr. PARR

71—Heat and its applications. 3 hours. Professor LUCKE

76—Experimental mechanical engineering—Selections from 31–32. Lecture and laboratory. Professor LUCKE, Mr. PARR, and Mr. THURSTON

77—Continuation of 76. Professor LUCKE, Mr. PARR, and Mr. THURSTON

92s—Shop Practice—Memoir on first summer work. Professor RAUTENSTRAUCH

94s—Drafting Room Practice—Memoir on second summer work. Professor RAUTENSTRAUCH

96s—Power Plant Practice—Memoir on third summer work. Professor LUCKE

99—Graduation thesis. Professor LUCKE

201–202—Special problems and original investigations in advanced mechanical engineering. Professor LUCKE

203–204—Mechanics of the steam turbine. Professor LUCKE

205–206—Vibration in machines. Professor LUCKE

Equipment.

This department is well equipped with offices for the usual work and for student conferences; lecture-rooms of various sizes; valuable collections of models and specimens to illustrate the lectures; and draughting-rooms provided with large numbers of blue prints, photographs, and catalogues of standard and special machinery supplied by manufacturers, but the departmental equipment is chiefly remarkable in the excellent facilities available for the prosecution of experimental work, both for undergraduate students and graduate research. This experimental equipment includes all the standard and many special forms of measuring instruments, means for their calibration, and an unusually large collection of full-size standard machinery, covering practically every important class. This equipment is valued at ap-

proximately $80,000.00, and the experimental laboratories, in which it is maintained, cover a floor space of approximately 10,000 sq. ft. Further details of this equipment are given in the departmental announcement.

Metallurgy

HENRY M. HOWE, A.M., B.S., LL.D.....*Professor*
BRADLEY STOUGHTON, Ph.B., B.S.....*Adjunct Professor*
WILLIAM CAMPBELL, Ph.D., D.Sc.....*Adjunct Professor*
EDWARD F. KERN, Ph.D.....*Tutor*
CORNELIS OFFERHAUS, Ph.D.....*Assistant*

Courses

See introductory paragraphs, page 41

1—Metallurgy of copper. 2 hours. Dr. KERN

2a—Electrometallurgy. 2 hours lectures for six weeks. Dr. KERN

2b—Metallurgy of fuels steel and iron—Shorter course. 2 hours lectures for nine weeks. Professor STOUGHTON

3—Metallurgy of lead, silver, gold, zinc, and minor metals. 3 hours lectures. Professor CAMPBELL

4—Metallurgy of iron and steel—Longer course. 2 hours lectures Professor STOUGHTON

71–72—Laboratory work—Shorter course. 10 afternoons in all. Professor CAMPBELL, Dr. KERN, and Assistant

171–172—Laboratory work—Longer course. 4 afternoons. Professor CAMPBELL, Dr. KERN, and Assistant

176—The art of metallurgical investigation. 10 afternoons conference. Professor STOUGHTON

62 S—Summer course in non-ferrous metallurgy. Professor CAMPBELL or Dr. KERN and Assistant

64 S—Summer course in iron and steel. Professor STOUGHTON and Assistants

62–64—Two courses of three weeks each are given at metallurgical works in studying the operations there carried out. The students are given individual and class instruction and are required to make complete descriptions of the various processes, including sketches of furnaces and apparatus.

51—Extension of Metallurgy 1. 1 hour conference. Dr. KERN

52—Extension of Metallurgy 2 a. 1 hour conference for six weeks. Dr. KERN

53—Extension of Metallurgy 3. 1 hour conference. Professor CAMPBELL

54—Extension of Metallurgy 4. 2 hours conference. Professor STOUGHTON

56—Metallurgy of alloys. 3 hours conference for nine weeks. Professor CAMPBELL

58—Metallography of iron, steel, and industrial alloys. Total of 3 lectures and 3 or more afternoons laboratory. Professor CAMPBELL

201-202—Special courses in pyrometry, the microstructure of metals and alloys, the chemistry of roasting processes, etc., consisting of personal instruction and original experimental investigation, will be arranged for advanced students, either at metallurgical works into processes in actual use there, or in the metallurgical and analytical laboratories of the department. Professor CAMPBELL and DR. KERN

METALLURGICAL EXCURSIONS—During the term the students see, at the metallurgical works near the city, iron blast furnaces, Bessemer and open-hearth steel making, lead and copper smelting, copper Bessemerizing and refining by furnace and electrolytic methods, the desilverizing of base bullion, and the parting and refining of gold and silver by electrolytic and acid methods.

Equipment

LECTURE DIAGRAMS—There are very many large lecture diagrams, showing the various metallurgical appliances, and the sequence of metallurgical processes, besides many models, drawings, and apparatus for lecture demonstrations — for instance, in the heat-treatment and rolling of metals and in wet processes.

METALLURGICAL COLLECTION—There is a collection of about 3000 specimens of ores, metals, and metallurgical products, and a rapidly forming collection of microscopic sections and photomicrographs of metals and alloys.

ANALYTICAL LABORATORY—The department has an analytical laboratory open to the students in Metallurgy.

METALLURGICAL LABORATORY — 1. *Instruments of Precision of Metallurgy*—There are enough Le Chatelier thermo-electric pyrometers to give each student the exclusive use of one throughout his course, and many others of various kinds, some of great precision, some with autographic attachments, etc.

For the microscopic study of metals there are many special microscopes, with appliances for polishing, sclerometers, a drop-testing machine, a Fremont drop-testing machine, special testing machines for metals, ammeters, etc.

2. *For Analytical Metallurgy*, or the study of the principles and reactions of metallurgy taken singly as distinguished from the several industrial processes each taken as a unit, there are many special

furnaces heated by electricity or gas, a small power-driven roll-train, etc.

3. *For Applied Metallurgy* there are, besides the common furnaces special crucible melting furnaces, muffles, etc., a cupola furnace, an English cupelling furnace, two small reverberatory roasting furnaces, a set of lixiviating and precipitating vats, amalgamating pans, kettles for desilverizing lead, a chlorinating barrel, storage batteries, voltmeters and ammeters for electrolysis, and a working stock of ores, refractory materials, fluxes, alloys, iron, and of very many varieties of steel.

4. *Advanced Students*—The laboratory gives advanced students and practitioners unusual advantages for investigating accurately the scientific and many of the economic problems of metallurgy.

METALLURGICAL LIBRARY—The Metallurgical Department has its own metallurgical library, about sixteen hundred volumes.

Mineralogy

ALFRED J. MOSES, E.M., Ph.D..... *Professor*
LEA MCI. LUQUER, C.E., Ph.D..... *Adjunct Professor*
MAURICE A. LAMME, B.S., A.M..... *Tutor*
CHARLES ARTHUR STEWART, A.M..... *Assistant*

Courses

See preliminary paragraphs, page 41

1–2—Descriptive and determinative mineralogy. *C* 3 hours, *L* 2 afternoons. Professors MOSES and LUQUER, Mr. LAMME, and Mr. STEWART

3–4—General mineralogy—*C* 2 hours, L 1 afternoon. Professor MOSES

5—The minerals of building-stones and the common ores. *C* 2 hours, and *L* 1 afternoon. Professor LUQUER and Assistant

6—Optical mineralogy—Minerals in rock sections. *L* 2 afternoons for two months. Professor LUQUER and Assistant.

7–8—Mineralogy and crystallography. *C* 3 hours, *L* 2 afternoons. Professors MOSES and LUQUER, Mr. LAMME, and Mr. STEWART

15–16—Mineralogy—Minerals important in the chemical industries. *L* 1 afternoon. Professor MOSES and Assistant

207–208—Optical mineralogy. *C* 1 hour, *L* 1 afternoon. Professor LUQUER

209–210—Physical crystallography. *C* 1 hour, *L* 1 afternoon. Professor MOSES

211–212—Mineralogy—Study of assigned subject. 12 hours for two years. Professor MOSES

Equipment

The work of the students in the college courses and in general mineralogy is performed in the lecture-room, in the blowpipe laboratory, and in the adjoining conference-room, in which are the student collections of crystal models and minerals and several thousand unlabelled specimens used in determinative work. The department possesses also about 1200 sections of minerals and rocks, and 1500 crystal models in wood and glass. Students in optical mineralogy use a separate room with north light, and for crystal measurements and monochromatic-light determinations there is provided a large dark-room.

The Egleston Mineralogical Museum contains about 30,000 labelled specimens, and includes a systematic collection, an economic collection of ores, building materials, and minerals used in chemical industries, a collection illustrating the genesis and alteration of minerals, a collection illustrating the characters of minerals, and small collections of artificial minerals and New York City minerals.

Mining

HENRY S. MUNROE, E.M., Ph.D., Sc.D.....*Professor*
ROBERT PEELE, E.M.....*Professor*
EDWARD L. KURTZ, E.M.....*Instructor*
WALTER R. CRANE, Ph.D.....*Instructor*

Courses

See preliminary paragraphs, page 41

51—Excavation and tunnelling. 3 hours. Professor PEELE

52—Boring and shaft-sinking. 3 hours for 3 months. Professor PEELE

54—Prospecting, exploration, development, and methods of working. 3 hours. Professor MUNROE

55—Mine surveying, sampling, and valuation. 1 hour. Professor MUNROE

56—Mine engineering. Surface handling and transportation; transshipment and storage of minerals. Drainage. Water supply. Ventilation. Accidents. 2 hours. Professor MUNROE

70—Mine constructions. Building materials, retaining walls, trestles, ore-bins, etc. 1 hour. Professor PEELE

71–72—Mine plant. Hoisting, drainage, ventilating and compressed-air plant, machine drills, coal cutters, and underground handling and haulage. 3 hours. Professor PEELE

75—Design of mine plant. Working drawings of specified portions of mine plant, made under supervision and advice in connection with graduating project. 5 afternoons. Professor PEELE, Mr. KURTZ, and Dr. CRANE

80—Mill constructions. 1 hour. Mr. KURTZ

81–82—Ore dressing, gold milling, and the mechanical preparation of coal. 3 hours for 5 months. Professor MUNROE

82a—Ore-dressing laboratory. Working tests. Adjustment, operation, and sampling of concentrating machines. Afternoon work for three weeks. Professor MUNROE, Mr. KURTZ, and Dr. CRANE

91–92—Administration, organization, and business management. 1 hour. Professor MUNROE and Mr. KURTZ

94—Mining law. 1 hour. Mr. KURTZ

95—Mining practice, conference. 1 hour. Dr. CRANE

99–100—Graduating thesis or project. Professor PEELE

Summer Course

59s—The summer course of practical mining is held in June and July, in the vacation between the third and fourth years, and lasts six weeks. Professor PEELE, Mr. KURTZ, and Dr. CRANE

The course of instruction includes four weeks' detailed study of the plant and methods of working at some important mine or mines selected for the purpose; one week mine surveying; and one week or more excursion to other mines and mining regions. Arrangements are also made at other mines, by which students in small groups may substitute, for the above, independent study under the general direction of the department.

Graduate Courses

Special courses, consisting of personal instruction, reading, and experimental investigation, will be arranged for advanced students according to their individual needs and ability. These investigations will be made at mines and dressing works, either in connection with the summer school or elsewhere as assigned, with additional work, as required, in the library and in the laboratories of the department. These courses vary in difficulty and in the amount of time necessary, according as the student is a candidate for the degree of A.M. or Ph.D., and according as he pursues mining as a major or a minor subject. The time required is governed by the rule that a course or courses should occupy about 18 hours a week (outside reading and study included) if taken as a major subject, and about 9 hours a week if taken as a minor subject. The following are suggested:

101–102—Mining and ore dressing—Mining 54, 81–82, and 82a. 4 hours, with laboratory work and reading as required.

103–104—Mining engineering—Mining 56, 71–72, and 91–92. 4 hours lectures and reading as required.

105–106—Design of mine plant—Mining 70, 71, 72, 75, 99, and 100. 3 hours and 5 afternoons draughting-room work.

107–108—Design of ore-dressing works—Mining 80, 81, 82, and 82a, with 1 hour conference additional. 3 hours and 5 afternoons laboratory and draughting-room work.

109–110—Mining—51, 52, 54, 55, 56, 59, 70, 71–72, 75, 80, 81–82, 82a, 91–92, 93, 94, 95, 99 and 100 being all the undergraduate courses in the Department of Mining.

201–202—Methods of mining—Critical study of methods used in some mining region, or for a certain class of deposits.

203–204—Mining plant—Critical study of rock drilling, or coal cutting, or hoisting, or haulage, or ventilating plant at some mine or mines.

205–206—Deep mining—Study of problems involved.

207–208—Ore dressing—Critical study of some detail of the ordinary dressing methods.

209–210—Examination of a coal-washing plant, or an ore-dressing plant—4 to 6 weeks' work in the mill and in the laboratory, with conferences.

211s—Examination of a mineral property, or a mine—4 to 6 weeks devoted to field and underground work, with conferences at convenience of professor.

213–214—Economic studies in mining—Study of existing conditions affecting the production and cost of some mineral or metal.

215—Mining, conference and reading. 1 hour. Professor MUNROE

Equipment

LECTURE ILLUSTRATIONS—The lectures on mining are illustrated by 5 sets of books aggregating over 300 volumes, and containing 85,000 blue prints from negatives made for the purpose. There are a sufficient number of these books, illustrating the different courses of lectures, so that each student has the use of one or more for reference during the lectures and for home study. These blue prints have many advantages over the usual form of lecture illustrations by lantern slides or wall diagrams. The latter are, however, used when necessary to supplement the blue prints.

MINING LIBRARY—The University Library contains sets of the transactions of all mining, metallurgical, and engineering societies, and of the more important periodical publications on these subjects. There is also a large collection of books on mining, and all new publications of value are added as they appear. In addition, a small departmental reference library has been created, which is accessible to students at all times.

MINING MUSEUM—The subject of mining is illustrated by collections as follows: Maps of coal and metal mines of this and other countries.

Working drawings, diagrams, and photographs of mine plant, and of mining and dressing machinery. Models of mines and parts of mines and of mine plant. Mining tools: picks, shovels, hammers, drills, blasting apparatus, lamps, safety-lamps, anemometers, and machine drills. Ores and dressing products from typical works in this and other countries. Surveying instruments: geological compasses and clinometers, attraction compasses, dipping needles, hanging compasses and arcs, transits, lamp signals, rods, and apparatus for plumbing and measuring shafts.

MINING LABORATORIES—The basement and sub-basement of the School of Mines are equipped as laboratories for the department of mining. These laboratories serve four purposes: 1. To illustrate the physical laws bearing on mineral separation. 2. To afford opportunity for quantitative working tests. 3. To train students in the adjustment and operation of concentrating machinery, and in the making of efficiency tests under working conditions. 4. To give advanced students and others all necessary facilities for original investigation.

MINES AND DRESSING WORKS—Many coal, iron, and other mines, slate and stone quarries, and metallurgical works are easily accessible. Within a radius of one hundred miles of New York City may be studied numerous examples of the best practice in mining and metallurgy under most varied conditions, and some of the most modern and effective mining and dressing machinery and smelting plants in the country. The excursions of the summer class in mining extend as far as the iron, copper, zinc, lead, silver, and gold regions of Michigan, Missouri, Montana, Colorado, Arizona, Utah, and California.

The metropolitan situation of the school renders it possible to present, also, as parts of the regular courses in mining, special lectures by prominent engineers. The list of such lecturers for 1906–07 and more detailed information as to the courses offered and as to the facilities for instruction will be found in the *Announcement of the School of Mines and associated schools*, 1907–08.

Music

CORNELIUS RÜBNER.....*Professor*
LEONARD BEECHER MCWHOOD, A.B.....*Adjunct Professor*

Courses

See preliminary paragraphs, page 41

1–2—General Musical Course. 1 hour. Professor MCWHOOD

3–4—General Musical Course, advanced. 2 hours. Professor RÜBNER

5–6—The Analysis of Musical Sound. 1 hour. Professor MCWHOOD

7–8—Harmony. 2 hours. Professor MCWHOOD

9–10—Advanced Harmony and Practical Composition. 1 hour Professor McWhood

11–12—Counterpoint. 2 hours. Professor McWhood

13–14—Free Composition. 1 hour. Professor Rübner

15–16—Orchestration. 1 hour. Professor Rübner

25–26—Musical Dictation. 1 hour. Professor McWhood

27–28—Musical Dictation, advanced. 1 hour. Professor McWhood

31–32—University Orchestra. 2 hours. Professor Rubner

33–34—University Chorus. 1 hour. Professor Rübner
Rübner

101–102—Free Composition, advanced, 1 hour. Professor
103–104—Orchestration and Symphonic Form, advanced. 1 hour. Professor Rübner

Nine courses in Teaching and Supervision of Music are offered at Teachers College. (See the *Announcement of Teachers College*).

The Department of Music offers numerous concerts and recitals to the University. These include various concerts of chamber music, organ recitals, an annual recital of original compositions by students in the department, and the regular concerts of the University Orchestra and the University Chorus.

Equipment

A collection of music and of books of reference is placed at the disposal of students. It includes the complete works of various composers, many orchestral and opera scores, the piano-forte classics, and vocal music, besides many theoretical, historical, and biographical works. The department has also a collection of instruments for the use of students participating in the University Orchestra.

Nature Study

(See Botany and Zoölogy)

Three courses in Nature Study and Agriculture are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College.*

Neurology

M. Allen Starr, M.D., LL.D., Sc.D.....*Professor*
Frederick Peterson, M.D.....*Professor of Psychiatry*
Pearce Bailey, M.D.....*Adjunct Professor*
R. H. Cunningham, M.D..... .....*Chief of Clinic and Instructor*
E. L. Hunt, M.D. .....*Instructor*

Clinical Assistants

C. E. Atwood, M.D.
S. P. Goodhart, M.D.
Smith Ely Jelliffe, M.D.
L. Pierce Clark, M.D.
H. R. Humphries, M.D.
Thos. P. Prout, M.D.
G. W. Todd, M.D.
E. J. McEntee, M.D.
J. E. Clark, M.D.
J. L. Macumber, M.D.
C. F. Haviland, M.D.
C. D. Cleghorn, M.D.
Edward W. Scripture, M.D.
Charles Rosenheck, M.D.

Courses

See preliminary paragraphs, page 41

51–Didactic lectures with lantern demonstration on nervous diseases, 1 hour. Professor Starr

Brain and Functional diseases, 1907. Spinal Cord and Nerves, 1908.

53–54—Clinical lectures. 1 hour. Professor Starr

55–56—Section teaching—Practical neurology. 10–12 lessons. Drs. Cunningham and Hunt.

58—Clinics on insanity. 8 hours in January and February. Prof. Peterson

60—Special lectures on forensic psychiatry. Professor Bailey

Obstetrics

Edwin B. Cragin, M.D.....*Professor*
Harry McM. Painter, M.D.....*Professor of Clinical Obstetrics*
James D. Voorhees, M.D.....*Adjunct Professor*
George H. McFarland, Jr., M.D.....*Instructor*

Clinical Assistants

Fellowes Davis, M.D.....*Chief of Clinic*
George H. Ryder, M.D.....*Clinical Assistant*
Ellice McDonald, M.D.....*Clinical Assistant*

Courses

See preliminary paragraphs, page 41

51—Theory and practice of obstetrics—Lectures. 3 hours, two didactic and one clinical. Professor Cragin

53–54—Recitations and demonstrations. 1 hour for each student, in small sections of the class. Dr. Voorhees

55–56—Practical instruction at the Sloane Maternity Hospital. The class is divided into sections of six, each section remaining on duty at the Hospital for two weeks. Dr. McFarland

57–58—Out-patient Service at Vanderbilt Clinic. Professor PAINTER and Dr. DAVIS

The Sloane Maternity Hospital

The Sloane Maternity Hospital is situated upon the grounds of the College of Physicians and Surgeons, and the service is under the exclusive direction of the Professor of Obstetrics in the College, one of the Instructors in Obstetrics being the resident physician.

The wards of the Hospital furnish one hundred and twenty-seven beds, and there are ample accommodations for the house staff, students, and nurses. The operating-room is equipped with all modern surgical and obstetrical conveniences, and weekly clinics for the entire third-year class are given here during the first half-year. The number of deliveries averages over fifteen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience.

Oriental Languages

CHINESE

FRIEDRICH HIRTH, Ph.D.....*Dean Lung Professor*
BERTHOLD LAUFER, Ph.D.....*Lecturer*

Courses 105–106, 107–108, 109–110, and 111 are designed for students not wishing to become specialists.

See preliminary paragraphs, page 41.

101–102—Elementary course in the Chinese written language. 3 hours. Professor HIRTH and Dr. LAUFER

201–202—Analysis and translation of easy commercial documents. 2 hours. Professor HIRTH and Dr. LAUFER

203–204—Analysis and translation of selected easy literary texts. 2 hours. Professor HIRTH

205–206—Helps and keys in Chinese literature. 1 hour. Professor HIRTH

103–104—The Mandarin dialect. 2 hours. Professor HIRTH and Dr. LAUFER

105–106—History of the Chinese Empire. 1 hour. Professor HIRTH

107–108—Language, literature, government, art, and social life of the Chinese. 2 hours. Professor HIRTH

109–110 (=Anthropology 111–112)—Archæology and ethnography of China (Farther India and Central Asia). 2 hours. Dr. LAUFER

111(=Anthropology 113)—Ethnography of Japan, Korea, and Formosa. 1 hour. Dr. LAUFER

213–214—Elementary course in Tibetan, Manchu, or Mongolian. 1 hour. Dr. LAUFER

Seminars

The Seminars are for research work and special study in three directions: (*a*) modern government matters; (*b*) historical literature; and (*c*) literature on art, industry, and culture. Any two will be offered in each academic year, according to the needs of students.

301–302—Seminar for the study of Chinese government matters. 2 hours. Professor HIRTH

303–304—Seminar for historical studies in Chinese literature. For Chinese and Japanese students especially: China's relations with the Roman Empire, Central and Western Asia. 2 hours. Professor HIRTH

305–306—Seminar for the study of Chinese art, industry, and general culture. 1 hour. Professor HIRTH

Pending the completion of the collection of Chinese books now in the course of formation in connection with the Columbia Library, Professor HIRTH's Courses and Seminars will be held in his private library, near Columbia University, 501 W. 113th Street.

INDO-IRANIAN LANGUAGES

A. V. WILLIAMS JACKSON, Ph.D., L.H.D., LL.D.....*Professor*
ABRAHAM YOHANNAN, Ph.D.....*Lecturer*

Courses

See preliminary paragraphs, page 41

101–102—Sanskrit, elementary course. 3 hours. Professor JACKSON

[103–104—Avestan, elementary course—Grammar and reading of texts. 2 hours. Professor JACKSON]

105–106—Sanskrit, advanced course. The *Nagananda* of Harsha; selections from Manu, with the native commentary. Introduction to the Veda. 2 hours. Professor JACKSON

107–108—Modern Persian, introductory course. Grammar and reading. Sa'di's *Gulistan*. 2 hours. Dr. YOHANNAN

109—History of India and of Persia. 2 hours. Professor JACKSON
Identical with History 103

201–202—Avestan, advanced course—Interpretation of texts, antiquities, and literature. 2 hours. Professor JACKSON

203–204—Pali, elementary course. 1 hour. Professor JACKSON

[205—Old Persian cuneiform inscriptions. 1 hour. Professor JACKSON]

[206—Pahlavi, introductory course. 1 hour. Professor JACKSON]

207–208—Sanskrit literature. 1 hour. Professor JACKSON

209—Zoroastrian Gathas—Reading of texts with the Pahlavi and the Sanskrit version. 1 hour. Professor JACKSON

210—Zoroaster and Buddha and their teachings. 1 hour. Professor JACKSON

211–212—Modern Persian, second-year course. Selections from Firdausi, Omar Khayyam, and Hafiz. 2 hours. Dr. YOHANNAN

Course in Armenian

213–214—Principles of the grammar, with selected readings. 2 hours. Dr. YOHANNAN

Seminar

301–302—Indo-Iranian Seminar. 1 hour. Professor JACKSON

Public Lectures

A course of afternoon lectures on the literature, antiquities, and history of ancient India and Persia, open to all students of the University and to auditors, is given during the winter months. Public announcement of the subjects will be made at the time when these lectures are to be delivered.

Courses in the Science of Language

111–112—Introduction to the study of language. 2 hours. Professor JACKSON in co-operation with the various professors giving linguistic courses.

113–114—Types of language—first half-year: Indo-European and Semitic Languages. Second half-year: American and the Central and Eastern Asiatic Languages. 2 hours. The Professors of the departments concerned.

SEMITIC LANGUAGES

RICHARD J. H. GOTTHEIL, Ph.D. ..... *Professor*
JOHN DYNELEY PRINCE, Ph.D. ..... *Professor*
ABRAHAM YOHANNAN, Ph.D. ..... *Lecturer*
ROBERT J. LAN, Ph.D. ..... *Lecturer*
HAROLD S. DAVIDSON, Ph.D. ..... *Gustav Gottheil Lecturer*

See preliminary paragraphs, page 41

Hebrew

101–102—Biblical Hebrew, elementary course—Davidson's *Introductory Hebrew Grammar*. 2 hours. Dr. DAVIDSON

103—Biblical Hebrew, second course. The book of Daniel. 2 hours. Professor PRINCE

104—Biblical Hebrew, second course. Deuteronomy and Hebrew Prose Composition. 2 hours, second half-year. Professor GOTTHEIL

Students registering for this course must take both 103 and 104.

105—Biblical Hebrew, third (lecture) course. Semitic archæology and its bearings upon the study of the Bible. Professor GOTTHEIL

106—The history of the literature of the Old Testament; Lectures on the origin and development of Hebrew literature. 1 hour. Professor PRINCE

Other courses in Hebrew are given at the Union Theological Seminary.

Courses in Rabbinical Hebrew

107–108—Selected readings from the Mishnah. 2 hours. Professor GOTTHEIL

109–110—Selected readings from the Talmud, Treatise Berachoth. 2 hours. Professor GOTTHEIL

201—Hebrew historical works. 2 hours, first half-year. Professor GOTTHEIL

Epigraphy

These courses are intended to cover the whole field of Semitic Epigraphy during a period of three years. For Course 203–204 a previous knowledge of Hebrew is required; for Course 205–206, of Aramæan; and for Course 207–208, of Arabic.

203–204—Interpretation of the Phœnician inscriptions, with an introduction to Semitic palæography and the history of the alphabet. *Corpus Inscriptionum Semiticarum*, vol. i. 1 hour. Professor GOTTHEIL]

[205–206—Interpretation of the Aramæan inscriptions of Sinjirli and of the *Corpus Inscriptionum Semiticarum*, vol. ii. 1 hour. Professor GOTTHEIL]

207–208—Interpretation of the Sabæan and Himyaritic inscriptions contained in the *Corpus Inscriptionum Semiticarum*, vol. iv. 1 hour. Professor GOTTHEIL

ASSYRIAN

111–112—Assyrian elementary course—Study of the syllabary, with readings from Assyrian narrative texts. 2 hours. Professor PRINCE

209–210—Advanced course—Study of the texts in II. and IV. Rawlinson. Sumerian studies. 2 hours. Professor PRINCE

211–212—Advanced course—Sumerian lexicography. 2 hours. Professor PRINCE

Arabic

113—Arabic elementary course—Grammar and translation. 2 hours, first half-year. Dr. Davidson

114—Second course—Study of Brünnow's *Chrestomathie aus arabischen Prosaschrifstellern.* 2 hours, second half-year. Dr. Davidson

215–216—Advanced course—Selections from the *Prolegomena of Ibn Khaldun* and the *Sahih of al-Bukhari.* 2 hours. Professor Gottheil and Dr. Lau.

217–218—Modern Arabic, dialect of Egypt. 2 hours. Professors Gottheil and Prince

Syriac

115–116—Syriac first course. Brockelmann's *Syrische Grammatik* and the *Acta Martyrum.* 2 hours. Dr. Davidson

117–118—Second course. Historical Texts; Modern Syriac. Professor Gottheil and Dr. Yohannan

Ethiopic

[219–220—Ethiopic—Principles of the grammar and reading of the extracts in Prætorius, *Ältiopische Grammatik.* 1 hour. Professor Gottheil]

Oriental History

119—The ancient history of Western Asia until Alexander the Great. 2 hours. Professor Prince. Identical with History 101–102

120—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor Gottheil. Identical with History 104

Seminar

309–310—Semitic Seminar—Current questions in Semitic philology and history with especial reference to modern methods of research. 2 hours. Professors Gottheil and Prince

Egyptian

[221—Egyptian—Elementary course in Coptic. 1 hour. Professor Prince]

[222—Egyptian hieroglyphs and advanced Coptic. 1 hour. Professor Prince]

Turkish

123–124—Turkish—Principles of the grammar, conversation, and reading of newspapers. 2 hours. Dr. Yohannan

Courses in Hebrew at the Union Theological Seminary

A detailed announcement of these courses is given in the *Announcement of the Division of Oriental Languages*. Such courses may be counted as part of the work required for the degrees of Master of Arts and Doctor of Philosophy.

Equipment

The Columbia University Library contains most of the important periodicals which deal with Oriental research, and has a rich collection of the publications of the learned societies of Europe—*e. g.*, of the Academies of Berlin, Vienna, Leipsic, St. Petersburg, Brussels, Paris, and Rome (Lincei).

The books relating to East Indian and Iranian subjects in the University Library comprise already a good collection of the most important text-editions and works of reference, and additions are constantly being made. Most of the best works dealing with Semitic philology will be found in the Library; care has been taken, especially in Assyriology, to buy all the more important publications. In the Avery Architectural Library most of the monumental works relating to Eastern art and archæology will be found. Through the generosity of the trustees of Temple Emanuel, the Library now possesses the most complete collection of works in Rabbinical Hebrew to be found in this country. There is also a small collection of Hebrew, Arabic, and Persian MSS., designed for the use of advanced students. The resources of the University Library are supplemented in the most valuable way by the collections of all branches of Orientalia in the New York Public Library. A collection of old Babylonian tablets has been added to the department. These, together with the casts of tablets in the Metropolitan Museum of Art, furnish material for those who wish to devote themselves especially to the study of Babylonian and Assyrian.

The library of the Union Theological Seminary, which is accessible to advanced students of Columbia University, contains all the current theological periodicals.

Pathology

T. Mitchell Prudden, M.D., LL.D.....*Professor of Pathology*
Eugene Hodenpyl, M.D.....*Adjunct Professor of Pathological Anatomy*
John H. Larkin, M.D.....*Adjunct Professor of Pathological Anatomy and Curator of the Museum*
Edward Leaming, M.D.....*Instructor in Photography*
Norman E. Ditman, M.D.....*Instructor in Pathology*
Karl M. Vogel, M.D.....*Instructor in Pathology*
Horst Oertel, M.D.....*Demonstrator in Pathological Anatomy*
Eugene L. Opie, M.D.....*Demonstrator in Pathological Anatomy*

Close association is maintained between this department and the departments of Clinical Pathology and Bacteriology, so as to facilitate instruction and research in these closely allied subjects.

Courses

See also preliminary paragraphs, page 41.

51–52—Autopsy technique and pathological anatomy at the Roosevelt, Presbyterian, St. Luke's, St. Francis', City, German, or Bellevue Hospitals, twice a week for half the year. Professors HODENPYL, WOOD, and LARKIN, and Drs. OERTEL, OPIE, and DITMAN

54—Practical instruction in general and special pathology, and in the bacteriology of the infectious diseases. 10 hours for one half of the academic year. Professors PRUDDEN, HODENPYL, LARKIN, and BAILEY, and Drs. DITMAN and VOGEL

55–56—Demonstrations in pathological anatomy. 2 hours. Professors HODENPYL and LARKIN, and Drs. DITMAN and VOGEL

204—Pathological anatomy and histology, and experimental pathology. Professors PRUDDEN and HODENPYL

This course can not be counted for a degree, and is open only to qualified graduate students by special arrangement with the head of the department.

Photography and Photomicrography

1–2—Practical instruction is given to a limited number of men in the photographic laboratories of the college in the technique of photography and photomicrography. Dr. LEAMING

Research

Research in pathology may be pursued in the laboratories of this department by a limited number of graduate students or practitioners of medicine or other advanced workers. Professor PRUDDEN

Museum

The Museum of Pathology is made use of in the work of this department, both for the instruction of medical students and as a place of deposit for specimens showing new and rare forms of lesions.

Equipment

The Department of Pathology shares with the departments of Clinical Pathology and Bacteriology the two upper floors of the north wing of the college building. The large classroom on the upper floor of the east wing is used for the classes in pathology, histology, and embryology. The fourth floor is devoted to the pathological museum and to a large preparation laboratory, a workshop, cold

storage and the like. The remaining space is devoted to a general laboratory and to private rooms for instructors and advanced workers in pathology, to undergraduate and to research work in pathology, clinical pathology, and bacteriology, and to a departmental library.

The entire space is amply lighted, fully furnished, and equipped with such new apparatus as these rapidly growing phases of science require.

Pediatrics

(See Diseases of Children, page 71)

Pharmacy

The New York College of Pharmacy is the Division of Pharmacy of Columbia University. In the section of the catalogue devoted to the College of Pharmacy will be found a list of its officers and information as to the equipment and method of instruction. The Program of Studies includes the following courses:

Junior Year

Physics—Lectures, Professor COBLENTZ; recitations, Professor OEHLER

General and Pharmaceutical Chemistry—Lectures, Professor COBLENTZ; recitations, Professor OEHLER

Analytical Chemistry—Laboratory work, Professor VORISEK

Mathematics of Pharmacy—Practical exercises, Professor VORISEK

Practical Pharmacy—Lectures and laboratory course, Professor DIEKMAN; recitations, Dr. WIMMER

Dispensing Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Botany—Lectures, Professor RUSBY; recitations, Acting Professor MANSFIELD

Pharmacognosy—General laboratory course, Professor Rusby; histological laboratory course, Acting Professor MANSFIELD

Physiology—Lectures, Professor RUSBY; recitations, Professor RUSBY and Acting Professor MANSFIELD

Toxicology and Posology—Recitations, Professor RUSBY

Senior Year

Organic Chemistry—Lectures, Professor CHANDLER; recitations, Professor OEHLER

Pharmaceutical Chemistry (inorganic and organic)—Lectures Professor COBLENTZ; recitations, Professor OEHLER

Analytical Chemistry—Laboratory work, Professor VORISEK

Practical Pharmacy—Lectures and recitations, Professor DIEKMAN; laboratory course, Professor DIEKMAN and Dr. WIMMER

Dispensing Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Materia Medica—Lectures, Professor RUSBY; recitations, Professor RUSBY and Acting Professor MANSFIELD

Toxicology—Lectures, Professor RUSBY; recitations, Acting Professor MANSFIELD

Commercial Pharmacognosy—Laboratory, Professor RUSBY; recitations, Acting Professor MANSFIELD

Microscopical Pharmacognosy—Laboratory course, Acting Professor MANSFIELD

Graduate Courses

Plant Analysis—Laboratory, Professor RUSBY

Technical Microscopy—Laboratory, Acting Professor MANSFIELD

Bacteriology—Laboratory course, Professor KNAPP

Quantitative Analysis—Laboratory, Professor VORISEK

Organic Analysis—Laboratory, Professor COBLENTZ

Theory and Practice of Inorganic Quantitative Analysis—Lectures. Professor VORISEK

Commercial Organic Analysis and Toxicology—Lectures, Professor COBLENTZ

Pharmaceutical Assaying and Higher Pharmacy—Lectures and laboratory work. Professor DIEKMAN

Physiological Chemistry—Lectures, Professor GIES

Food and Drug Course

Commercial Organic Analysis and Toxicology—Lectures and laboratory course, Professor COBLENTZ

Inorganic Quantitative Analysis—Lectures and laboratory course, Professor VORISEK

Pharmaceutical Assaying—Lectures and laboratory course, Professor DIEKMAN

Technical Microscopy — Laboratory course, Acting Professor MANSFIELD

Pharmacology, Materia Medica, and Therapeutics

CHRISTIAN A. HERTER, M.D. ..... *Professor of Pharmacology and Therapeutics*

SAMUEL W. LAMBERT, A.M., M.D. .... *Professor of Applied Therapeutics*

SIMON BARUCH, M.D. ..... *Professor of Hydrotherapy*

ALFRED N. RICHARDS, Ph.D. ..... *Instructor in Pharmacology*

ARTHUR M. SHRADY, M.D. ..... *Chief of Clinic and Instructor in Hydrotherapy*

WALTER A. BASTEDO, M.D. ..... *Instructor in Materia Medica and Pharmacology and Assistant in Applied Therapeutics*
HENRY S. PATTERSON, M.D. ... *Chief of Clinic and Instructor in Materia Medica and Therapeutics*
WILLIAM R. WILLIAMS, M.D. ..... *Instructor in Materia Medica and Therapeutics*
NELLIS B. FOSTER, M.D. ..... *Assistant in Applied Therapeutics*
JAMES M. KENT, M.D. ..... *Assistant in Applied Therapeutics*
WILLIAM R. MAY, M.D. ..... *Assistant in Applied Therapeutics*

Clinical Assistants in Applied Therapeutics

F. G. GOODRIDGE, M.D.
SIGMUND EPSTEIN, M.D.
JAMES C. GREENWAY, M.D.
CHARLES E. WEBSTER, M.D.
MAX SCHULMAN, M.D.
MAX NISSELSON, M.D.
DAVID KALISKI, M.D.
HENRY C. BECKER, M.D.

Clinical Assistant in Hydrotherapy

ALBERT J. WITTSON, M.D.

Courses

See preliminary paragraphs, page 41

51—The principles of pharmacology, toxicology, and therapeutics. 1 hour. Professor HERTER

52—Applied therapeutics. 1 hour. Professor LAMBERT

53–54—Clinical instruction in therapeutics. 4-hour exercises at the Vanderbilt Clinic, five times a week for eight weeks, to sections. Professor LAMBERT and Dr. PATTERSON

55–56—Recitations on the work given in lectures of Course 51 and on general therapeutics. 2 hours, to sections. Dr. WILLIAMS

58—Lectures on hydrotherapy. 1 hour. Professor BARUCH

59–60—Pharmacology and the principles of materia medica. 2 hours for one half-year; 1 hour for one half-year. Dr. BASTEDO

61–62—Practical instruction in the pharmaceutical laboratory. 1½ hours. Dr. BASTEDO

63–64—Recitations in materia medica and pharmacology. 1 hour. Drs. BASTEDO and RICHARDS

65—Laboratory course in pharmacology. 2-hour exercises once a week for one half of the year. Dr. RICHARDS

66—Instruction in prescription-writing. ½ hour. Dr. BASTEDO

67–68—Prescription work in the pharmaceutical laboratory, for advanced students. Optional course. Dr. BASTEDO

69–70—Lectures on pharmacology and therapeutics. 1 hour. Drs. WILLIAMS, PATTERSON, and RICHARDS

71–72—Clinical instruction in hydrotherapy. In sections of the class. Four hours a week for one month for each section. Professor BARUCH and Dr. SHRADY

Research

The research laboratory of pharmacology is open to a limited number of workers.

Philosophy and Psychology

JAMES MCKEEN CATTELL, Ph.D., LL.D.....*Professor*
MOSES ALLEN STARR, M.D., LL.D., Sc.D.....*Professor*
HERBERT GARDINER LORD, A.M.....*Professor*
EDWARD LEE THORNDIKE, Ph.D.....*Professor*
FREDERICK J. E. WOODBRIDGE, A.M., LL.D....*Johnsonian Professor*
FELIX ADLER, Ph.D.....*Professor*
CHARLES AUGUSTUS STRONG, A.B.....*Professor*
JOHN ANGUS MACVANNEL, Ph.D.....*Professor*
GEORGE STUART FULLERTON, Ph.D., LL.D.....*Professor*
JOHN DEWEY, Ph.D., LL.D.....*Professor*
ROBERT SESSIONS WOODWORTH, Ph.D.....*Adjunct Professor*
WILLIAM PEPPERRELL MONTAGUE, Ph.D.....*Adjunct Professor*
DICKINSON SERGEANT MILLER, Ph.D.....*Professor*
NAOMI NORSWORTHY, Ph.D.....*Instructor*
KATE GORDON, Ph.D.....*Instructor*
HAROLD CHAPMAN BROWN, Ph.D.....*Tutor*
WENDELL T. BUSH, Ph.D.....*Lecturer*
ARTHUR ONCKEN LOVEJOY, A.M.....*Lecturer*
H. H. WOODROW, A.B.....*Lecturer*
WARNER BROWN, A.M.....*Assistant*
HARRY LEVI HOLLINGSWORTH, A.B.....*Assistant*
MAX FORESTER EASTMAN, A.B.....*Assistant*
FRANK C. BECKER, A.B.....*Assistant*
WILLIAM F. COOLEY, A.M.....*Assistant*
MARY THEODORA WHITLEY, B.S.....*Assistant*

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., (Cantab) Litt. D. (Oxon.)
President and Professor

See preliminary paragraphs, page 41

Courses in Philosophy

A1–A2—At Columbia College: The principles of science. 3 hours. Professors WOODBRIDGE, MILLER, and LOVEJOY, Dr. BROWN, Mr. EASTMAN and Mr. BECKER. At Barnard College: Introductory psychology. 3 hours, first half-year. Introductory logic. 3 hours, second half-year. Professor MONTAGUE and Dr. BROWN

21–22—Ethics. At Columbia College, 3 hours. At Barnard College, 3 hours. Professor LORD

[101–102—Metaphysics. 2 hours. Professor FULLERTON]

[121–122—Psychological ethics. 2 hours. Professor DEWEY]

[123–124—Advanced ethics. Professor MONTAGUE]

126—Social and political problems of the United States from the ethical point of view. 2 hours. Professor ADLER

127—Contemporary ethical ideals. 2 hours. Professor MILLER

129–130—History of modern ethical ideas. 2 hours. Professor DEWEY

[141–142—Principles and problems of esthetics. 2 hours. Dr. BROWN]

161–162—The history of philosophy. At Columbia College, 3 hours. At Barnard College, 3 hours. Professor MONTAGUE

[163–164—The philosophy of Descartes, Spinoza, and Leibniz. 2 hours. Professor MILLER]

165–166—British philosophy from Locke to Herbert Spencer. 2 hours. Dr. BROWN

167–168—The philosophy of Kant. 2 hours. Professor LOVEJOY

169–170—The philosophy of Plato and Aristotle. Professor WOODBRIDGE and Dr. BUSH

181–182—Practicum. Philosophy of education. 2 hours. Professor MACVANNEL

203–204—Logic and metaphysics. 2 hours. Professor WOODBRIDGE

[205–206—The philosophy of realism. 2 hours. Professor MONTAGUE]

207–208—Types of logical theory. 2 hours. Professor DEWEY

209–210—Types of epistemological theory. 2 hours. Dr. BUSH

211–122—Research work in philosophy. Professor DEWEY

213–214—Research work in philosophy. Professor WOODBRIDGE

[221–222—Logic of ethics. Professor DEWEY]

225–226—Seminar in ethics. Professor ADLER

227–228—Moral and political philosophy. 2 hours. Professor DEWEY

262—The philosophy of Thomas Aquinas. 2 hours. Professor MILLER

265–266—Research work in the history of philosophy. (*Spinoza*.) 2 hours. Professor WOODBRIDGE

281–282—Seminar. Professor MACVANNEL

[301–302—Seminar in ethics. Professor MONTAGUE]

Philosophy of Religion (at the Union Theological Seminary)

A—Philosophy of religion—the philosophical foundation. 2 hours, first half-year. Professor KNOX

B—Theism. 2 hours, second half-year. Professor KNOX

C—Survey of the ethnic faiths. 2 hours, first half-year. Professor KNOX

F—Introduction to the study of the philosophy of religion. 2 hours. Professor KNOX

Apologetics B and D may also be counted as courses in the philosophy of religion.

Philosophy of Religion (at the General Theological Seminary)

A—Psychology of religion. 2 hours, second half-year. Professor HAYES

B—Christian theism. 4 hours, first half-year. Professor HAYES

C—Studies in the philosophy of religion. 2 hours, first half-year. Professor HAYES

G—Studies in the ethnic religions. 2 hours, second half-year. Professor HAYES

Ethics (at the Union Theological Seminary)

A and B—Christian ethics. 2 hours. Professor THOMAS C. HALL

C—Special introduction to ethics. 2 hours, first half-year. Professor THOMAS C. HALL

E—History of ethical thought. 2 hours. Professor THOMAS C. HALL

G—Christian casuistry. 1 hour. Professor THOMAS C. HALL

H—Study of modern ethics. 2 hours. Professor THOMAS C. HALL

J—The field of ethical inquiry. 2 hours, first half-year. Professor THOMAS C. HALL

Ethics (at the General Theological Seminary)

A—Ethical development in the Old Testament with a comparative view of ethnic codes. 2 hours, second half-year. Mr. HUNT

B—The ethics of the New Testament. 2 hours, first half-year. Mr. HUNT

C—Christian ethics in relation to modern social problems. 2 hours, second half-year. Mr. HUNT

Courses in Psychology

1–2—Elements of general psychology. 3 hours. Professor LORD

3–4—Experimental psychology, introductory course. Lectures, 3 hours. Laboratory work, 4 hours. Professor WOODWORTH assisted by Mr. BROWN

7–8—Experimental psychology, introductory course. Lectures, 2 hours. Laboratory work, 4 hours. At Barnard College. Mr. WOODROW

21–22—Child psychology. 2 hours. Dr. NORSWORTHY

24—Psychology and education of exceptional children. 2 hours. Dr. NORSWORTHY

111–112—Experimental psychology, advanced course. 2 hours. Professor CATTELL

113–114—Experimental psychology. Laboratory work in connection with Psychology 111–112. 2 to 8 hours. Professor CATTELL and Mr. HOLLINGWORTH

121–122—Genetic psychology, advanced course. 2 hours. Professor THORNDIKE

131–132—Physiological psychology. 3 hours. Professor WOODWORTH

133–134—Laboratory course in physiological psychology. 2 to 8 hours. Professor WOODWORTH and Mr. BROWN

[135–136—Pathological psychology. 3 hours. Professor WOODWORTH]

137–138—Laboratory and observational work in pathological psychology. 2 or 8 hours. Professor WOODWORTH and Mr. BROWN

161—Analytic psychology. 2 hours. Professor STRONG

163—Philosophy of mind. 2 hours. Professor STRONG

[171–172—Social psychology. 2 hours. Professor DEWEY]

221–222—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

[231–232—Special psychology. 2 hours. Professor WOODWORTH]

233–234—Research in physiological and pathological psychology. Professor WOODWORTH assisted by Mr. BROWN

251–252—Diseases of the mind and nervous system. 1 hour, four months. Not open to women. Professor STARR

261–262—Research work in analytic psychology and the philosophy of mind. Professor STRONG

281–282—Problems in experimental psychology. 2 hours. Professors CATTELL and WOODWORTH

283–284—Research work in experimental psychology. Professor CATTELL assisted by Mr. HOLLINGWORTH and Mr. BROWN

321–322—Seminar. Professor THORNDIKE

401–402—Colloquium in psychology. Professors CATTELL, THORNDIKE, and WOODWORTH

Equipment

LIBRARY FACILITIES—The library facilities of Columbia University and of the city of New York, for students of philosophy and psychology, are unusually good. The collection of books on the history of philosophy in the University Library is very large, that on Kant and his philosophy being especially complete. About 1000 periodicals are regularly received, and among them will be found every journal of importance, American or foreign, dealing with philosophy or psychology. Duplicates of the more important psychological books and journals are placed in the Psychological Laboratory, where there is also a card index of psychological literature containing over 25,000 titles. Students of psychology will also find much of value in the Library of the Academy of Medicine, 15 West 43d Street, which is open to students free of charge. The New York Public Library is also available for students, when introduced by one of the instructors, on especially favorable terms.

THE PSYCHOLOGICAL LABORATORY—The laboratory is in Schermerhorn Hall, a building "devoted to the advancement of natural science." It occupies the eastern half of the second floor and part of the floor immediately above, the rooms being as follows: A lecture-room, seating one hundred students, used also as a general laboratory; a seminar room with a department library, a workshop, a photographic and chemical room, an apparatus cabinet, an anthropometric laboratory, five rooms used as offices and laboratories by the officers of the department, and eight research laboratories. Two of these are dark-rooms, specially constructed to exclude sound as well as light, 18 feet high and well ventilated. The laboratory has light from the north and south, is supplied with electric current of both high and low potential, and is in all respects equipped both for instruction and research. The collection of apparatus includes: (1) Outfit for making and repairing apparatus, electric motors, etc. A skilled instrument-maker is continually employed, adding greatly to the efficiency of the laboratory. (2) The outfit of an anthropometric laboratory with which freshmen in the college and others are annually tested. (3) The apparatus, preparations, charts, etc., needed for complete courses in experimental, physiological, and genetic psychology; and (4) the apparatus that has been used or is being used in special researches, a large part of which has been made especially for the laboratory. The outfit for the courses of instruction is now in large measure secured, and the annual appropriations can be used chiefly for apparatus needed in special researches.

Photography and Photomicrography

(See page 126)

Physical Education

THOMAS DENISON WOOD, M.D. ..... *Professor*
GEORGE LOUIS MEYLAN, A.M., M.D. ... *Adjunct Professor and Medical Director of the University Gymnasium*
WILLIAM SKARSTROM, M.D. ..... *Instructor*
A. IRA PRETTYMAN ..... *Assistant*
DUDLEY BILLINGS REID, A.B. ..... *Assistant*
ARTHUR SHOEMAKER, M.D. ..... *Assistant*
CHARLES S. BOTSFORD ..... *Assistant*
A. W. HENDRIAN ..... *Assistant*
GEORGE THOMAS HOLM ..... *Teacher of Swimming*
GEORGE J. BAGLEY ..... *Secretary*

Courses

See preliminary paragraphs, page 41

For Men

Hygiene **1-2**. Lectures, quizzes, and a report on some phase of personal hygiene or sanitation. 2 hours. Professor MEYLAN

Physical education **A1–A2**. 2 hours a week of elementary graded gymnastic exercises, swimming, and 6 lectures on personal hygiene. In sections. 2 hours. Dr. SKARSTROM and Assistants

Physical education **B1–B2**. 2 hours a week of graded gymnastic exercises, athletics, and 6 lectures on personal hygiene. In sections 2 hours. Professor MEYLAN, Mr. PRETTYMAN, and Assistants

For Women

A1–A2—Elementary graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss BROWN

B1–B2—Graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss BROWN

There are also fourteen courses given under the auspices of Teachers College: Physical Education **1–2, 3–4, 5, 6, 9–10, 106, 107 108, 109–110, 113, 115–116, 119–120**, Education **87–88, 189–190**, and **289–290**.

Equipment

The main exercising room is semicircular in shape, and has an area of 16,000 square feet. The ceiling is 35 feet high, and the room is well lighted and well ventilated, both naturally and artificially. The running track is 11 feet wide, with ends raised, and measures 10 laps to the mile. On the same floor as the running track are the Gymnasium and Director's offices, rooms for fencing, boxing, and handball, two large dressing-rooms with 1804 steel lockers, and 32 shower-baths. Below the exercising room is the swimming pool, semicircular in shape; it measures 100 by 50 feet on its axes, and contains 200,000 gallons of

water. The depth is from 4 to 10 feet. Around the pool are the dressing-rooms, and 20 shower-, needle,- and tub-baths. On this floor is also a large room and two dressing-rooms equipped with shower-baths and lavatories, for the use of the various athletic teams.

The Frederick Ferris Thompson Memorial Building, given to Teachers College by Mrs. F. F. Thompson, has been recently completed. It is a building of four stories devoted to the purposes of physical education and school hygiene. It contains offices, examination rooms, lecture- and class-rooms, laboratories, hand-ball courts, bowling alleys, a swimming pool, four gymnasiums, rooms for corrective exercises, dressing-rooms, shower-baths, fencing-room, and a suite of rooms for photographic purposes. This building provides physical-training facilities for the women, the pupils of the Horace Mann School, and the varied equipment for the theoretical and practical instruction of professional students in Physical Education.

The Gymnasium is open daily during the academic year, except on Sundays and legal holidays, from 8.30 A.M. to 6.30 P.M., Saturdays to 5 P.M. It is closed for the entire day only on Thanksgiving, Christmas, New Year's, and Good Friday. On all other holidays it is open from 2 to 6 P.M. One or more of the instructors are on the floor at all times when the Gymnasium is open.

A course in physical education is required of all Freshmen and Sophomores in Columbia College, and first- and second-year students in the Schools of Applied Science, except students holding degrees from other colleges. A physical examination is required of each student in these classes upon entrance and at the end of the second year, and of all other students taking part in athletics.

Every student is entitled to a physical examination by the Medical Director. On the basis of this examination advice is given as to the kind and amount of exercise best adapted to his needs.

Physics

WILLIAM HALLOCK, Ph.D. ..... *Professor*
MICHAEL I. PUPIN, Ph.D., Sc.D. ..... *Professor of Electro-Mechanics*
MARGARET E. MALTBY, Ph.D. .... *Adjunct Professor* (*Barnard College*)
HERSCHEL C. PARKER, Ph.B. ..... *Adjunct Professor*
ERNEST F. NICHOLS, Ph.D. ..... *Professor of Experimental Physics*
JOSEPH C. PFISTER, A.M. ..... *Adjunct Professor of Mechanics*
FRANK L. TUFTS, Ph.D. ..... *Adjunct Professor*
ALBERT P. WILLS, Ph.D. ..... *Adjunct Professor of Mechanics*
RICHARD C. MACLAURIN, A.M., LL.D. *Professor of Mathematical Physics*
CHARLES C. TROWBRIDGE, M.S. ..... *Instructor*
[1] GEORGE B. PEGRAM, Ph.D. ..... *Instructor*
[2] BERGEN DAVIS, Ph.D. ..... *Tutor*

[1] Absent on leave.
[2] Ernest Kempton Adams Fellow for 1907-08.

SAMUEL R. WILLIAMS, Ph.D. ..... *Tutor (Barnard College)*
K. GEORGE FALK, Ph.D. ..... *Tutor*
CHARLES FORBES, B.S., M.D. ..... *Curator*
WILLIAM S. DAY, Ph.D. ..... *Lecturer*
F. H. GETMAN, Ph.D. ..... *Lecturer*
JULIAN BLANCHARD, A.B. ..... *Assistant*
HERMON W. FARWELL, A.M. ..... *Assistant*
LEIGHTON B. MORSE, Ph.B. ..... *Assistant*
GRACE LANGFORD, S.B. ..... *Assistant (Barnard College)*
WILLARD L. SEVERINGHAUS, A.M. ..... *Assistant*
CHARLES B. MARKHAM, A.M. ..... *Assistant*
REINHARD WETZEL, B.S. ..... *Assistant*
EDWIN B. WHEELER, B.S. ..... *Assistant*

Courses equivalent to **3–4**, **101–102**, **103–104** are given at Barnard College by Professor MALTBY.

Courses

See preliminary paragraphs, page 41

1 or **2** (Science **A**)—General elementary physics. 3 hours for either half-year. Mr. TROWBRIDGE

Science **A** requires 3 hours laboratory work with this course.

3–4—General physics—Elementary Mechanics—Properties of matter, sound, light. First half-year. 2 hours lectures, 3 hours recitation. Heat, electricity, and magnetism. Second half-year. 2 hours lectures, 1 hour recitation. Professor HALLOCK, Drs. DAVIS, FALK and Messrs. FARWELL, SEVERINGHAUS, and MOORE.

3—(Old course)—General physics, sound, light and heat. 1 hour lecture, 2 hours recitation. Professor TUFTS and Assistants.

A laboratory course must be taken with this and the three following courses.

101–102—Magnetism and electricity. 3 hours. Sound. 2 hours. Professor TUFTS

103–104—Light. 3 hours. Professor HALLOCK. Heat. 3 hours. Dr. DAY

105—Critical discussion of methods of measurement and computation according to the C. G. S. system in electricity and magnetism Professor PARKER

107–108—Fundamental phenomena of theoretical physics. 1 hour. Professor TUFTS

171–172—Courses in advanced laboratory work upon the various subjects of physics, including collateral reading, intended to lead the way to original research.

An examination is required on general theory in connection with this course.

201—Discharge of eletricity through gases. 2 hours. Dr. DAVIS

202—Theory of dimensions with special reference to electrical and magnetic units; presupposes courses **101** to **104**. 2 hours. Professor TUFTS

203—Sound, advanced course, presupposes **102**. 2 hours. Dr. PEGRAM [Not given in 1907–8.]

204—Light, advanced course, presupposes **103**. 3 hours. Professor HALLOCK

205—Heat, advanced course, presupposes **104**. 3 hours. Dr. DAY

206—Phenomena of radioactivity, presupposes **201**. 2 hours. Dr. PEGRAM [Not given in 1907–8.]

209—The design and construction of apparatus. 1 hour. Professor HALLOCK

211–212—Problems of radiation, including emission, absorption, dispersion, etc. 2 hours. Professor NICHOLS

271–272—Original research under the direction of the professors is open to properly qualified persons

Laboratory Courses

NUMBER	TIME	CHARACTER
31–32	3 hours	Elementary
23–24	2 hours	Intermediate
43–44	4 hours	Intermediate
63–64	6 hours	Intermediate
25–26	2 hours	Advanced
45–46	4 hours	Advanced
65–66	6 hours	Advanced

Mathematical Physics

1–2—Elementary mechanics. 2 hours. Professor PFISTER

3–4—Elementary thermodynamics and hydromechanics. 2 hours. Professor PFISTER

5–6—Analytical mechanics, abridged course. 2 hours. Dr. DAVIS

7—Thermodynamics, abridged course. 2 hours. Professor WILLS

101–102—Analytical mechanics. 3 hours. Professor PFISTER

103–104—Theoretical mechanics. 2 hours. Professor PFISTER

106—Thermodynamics with special reference to its bearing on the theory of heat engines. 3 hours. Professor WILLS

107—Theory of dynamo and motor (introductory). 2 hours. Professor WILLS

108—Theory of direct-current dynamo and motor. 3 hours. Professors PUPIN and WILLS

109—Theory of alternators and transformers. 3 hours. Professor PUPIN

110—Theory of variable currents. 3 hours. Professor PUPIN

To graduate students who desire a general acquaintance with Mathematical Physics, Professors PUPIN and WILLS offer the following cycle of courses which may be completed in two years by taking four hours a week.

In 1908–1909 the courses given in 1907–1908, as stated below, by Professor PUPIN will be given by Professor WILLS, and vice versa, this alternation taking place every year.

201—Mechanics. 2 hours. Professor WILLS

202—Theory of elasticity. 2 hours. Professor WILLS

203—Theory of the potential function. 2 hours. Professor PUPIN

204—Hydrokinetics. 2 hours. Professor PUPIN

205–206—Electricity and magnetism—Electro-magnetic theory of light. 2 hours. Professor WILLS

207–208—Partial differential equations of physics. 2 hours. Professor PUPIN

In addition to this cycle the following courses are given at intervals as required.

209—Lectures on special problems. 2 hours. Professor PUPIN

211—Thermodynamics. 2 hours. Professor WILLS

JOURNAL CLUB—The Journal Club of the department meets every week for the discussion of the current literature of physics and of reports of special investigations. Professor NICHOLS in charge.

Equipment

The laboratories and lecture-rooms of the Department of Physics occupy four floors of Fayerweather Hall on the eastern side of the University grounds. The building is supplied with all ordinary conveniences, including compressed air, steam, electricity for power and light, direct and alternating current. There is a vertical shaft 95 feet high, with gas, electric, and water outlets every ten feet. In the sub-basement a constant-temperature room is placed twelve feet below the surface of the ground. There are two lecture-rooms, a library, an apparatus room, a shop, and a small laboratory on the first floor, while the remaining three floors devoted to the department are occupied by laboratories of different kinds.

The general laboratories are provided with all the usual apparatus for undergraduate work in mechanics, sound, heat, light, electricity, and magnetism.

The laboratories used for research have been named by the Trustees the "Phœnix Physical Laboratories," in memory of Mr. Stephen

Whitney Phœnix, who bequeathed to the University a generous sum as an endowment for research in the physical sciences. On account of this endowment unusual facilities are offered for advanced work and research in physics. Among the recent additions to the equipment of these laboratories may be mentioned the following: pulsometer and mercury air-pumps; a 60-cell large capacity storage battery with a complete switchboard and wiring system and a portable 500-cell small capacity storage battery; two duBois-Rubens armored galvanometers; two 10-inch induction coils; Wolff precision potentiometers and Wheatstone bridges, standardized at the Reichsanstalt; a set of high-potential, direct-current dynamos, giving 8000 volts; a large electromagnet for special researches; a Michelson interferometer; a 21-foot concave grating spectroscope; a reflecting spectrometer and two torsion radiometers for work in radiation.

Arrangements have been made by which it is possible to carry on certain investigations at the Botanical Garden, in Bronx Park, free from the magnetic and other disturbances of the city.

The department has a shop equipped with wood-, metal-, and glass-working machinery, and employs a skilled mechanician.

The Physical Laboratories at Barnard College occupy the second floor of Fiske Hall. They are supplied with the usual conveniences and well equipped with suitable apparatus for quantitative experimental work in all the courses offered. Through the generosity of Mrs. Collord, the department has recently acquired a very complete equipment in sound apparatus suitable for illustrating the theory of the production of tone in musical instruments, and for analyzing musical sounds.

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of physics in secondary and normal schools. In these the physics classes of the Horace Mann School receive their instruction, and by observation and practical work in connection with the classes the students in Education 191–192 are enabled to become familiar with the duties of a teacher of physics.

Physiology

JOHN GREEN CURTIS, M.D., LL.D.....*Professor*
FREDERIC SCHILLER LEE, Ph.D.....*Professor*
RUSSELL BURTON-OPITZ, S.M., Ph.D., M.D.....*Adjunct Professor*
RICHARD HOOP CUNNINGHAM, M.D.....*Instructor*
HAVEN EMERSON, A.M., M.D.....*Demonstrator*
LEANDER HOWARD SHEARER, M.D.....*Demonstrator*
ARTHUR WALKER BINGHAM, M.D.....*Demonstrator*
HARRY MAYHAM KEATOR, M.D.....*Demonstrator*
JOSEPH GRANT YOCUM, M.D.....*Demonstrator*
THEODORE J. ABBOTT, M.D.....*Demonstrator*

None of the courses in this department is open to women.

Courses

See preliminary paragraphs, page 41

101–102—Elementary physiology. Given with the co-operation of the Department of Physiological Chemistry. 1 hour lecture, and 2 hours laboratory work. Professors BURTON-OPITZ and GIES

103–104—General physiology. 1 hour. Professor LEE

105–106—Laboratory course in general physiology. 5 hours. Professor BURTON-OPITZ

107—Laboratory course in special physiology. 3 hours. Professor CURTIS or Professor BURTON-OPITZ

108–109—The physiology of man as related to that of other mammals and of lower vertebrates. Lectures and demonstrations, 4 hours. Recitations, 1 hour. Laboratory work, 3 hours. Professors CURTIS and BURTON-OPITZ, Drs. EMERSON, SHEARER, BINGHAM, KEATOR, and YOCUM

111–112—Electro-physiology. Hours and work to be arranged with the Instructor, Dr. CUNNINGHAM

Research

The laboratory is open for research, under the direction of its officers, to advanced workers.

Equipment

The Department of Physiology possesses:

I—At the College of Physicians and Surgeons: (1) A laboratory for research and the preparing of demonstrations; (2) A small laboratory for histological research with special reference to physiological problems. (3) Two rooms for optical or psychological work or for photography. (4) Two private laboratories for professors of the department. (5) Two laboratories for practical instruction. (6) A room for recitations and for lectures and demonstrations to limited classes. (7) Easy access to a large lecture-room specially fitted for experimental teaching. (8) The Swift Physiological Cabinet, for the accommodation of a specially endowed and very full collection of apparatus of precision, mainly for research.

II—In Schermerhorn Hall: The use of a laboratory equipped for the instruction of undergraduates.

The physiological journals are accessible to the students of the department; also the most important monographs and other books, both modern and ancient.

Political Economy and Finance

(See page 72)

Political Philosophy

(See page 96)

Politics

(See page 106)

Practice of Medicine

WALTER B. JAMES, M.D., LL.D. . . *Bard Professor of the Practice of Medicine*
FRANK W. JACKSON, M.D. . . . . *Professor of Clinical Medicine*
GEORGE ROE LOCKWOOD, M.D. . *Adjunct Professor of Clinical Medicine*
WILLIAM K. DRAPER, M.D. . . . . *Adjunct Professor of Clinical Medicine*
VAN HORNE NORRIE, M.D. . . . . *Adjunct Professor of Clinical Medicine*
FRANCIS P. KINNICUTT, M.D. . . . . *Professor of Clinical Medicine*
JOHN SEYMOUR THACHER, M.D. . . . . *Professor of Clinical Medicine*
FRANCIS HUBER, M.D. . . . . *Professor of Clinical Medicine*
GEORGE MONTAGUE SWIFT, M.D. . . . . *Instructor in Medicine*
ALBERT E. SUMNER, M.D. . . . . *Instructor in Physical Diagnosis*
T. STUART HART, M.D. . . . . *Instructor in Physical Diagnosis*
JAMES A. MILLER, M.D. . . . . *Instructor in Physical Diagnosis*
NATHANIEL B. POTTER, M.D . . . . . *Instructor in Medicine*
FRED P. SOLLEY, M.D. . . . . *Instructor in Medicine*
LEWIS F. FRISSELL, M.D. . . . . *Instructor in Physical Diagnosis*
LINSLY R. WILLIAMS, M.D. . . . . *Chief of Clinic and Instructor in Medicine*
DAVID BOVAIRD, JR., M.D. . . . . *Tutor in Medicine*
EVAN M. EVANS, M.D. . . . . *Tutor in Medicine*
EDMUND L. DOW, M.D. . . . . *Tutor in Medicine*
D. STUART D. JESSUP, M.D. . . . . *Assistant in Medicine*
AUSTEN F. RIGGS, M.D. . . . . *Assistant in Medicine*
CURTENIUS GILLETTE, M.D. . . . . *Assistant in Medicine*
ISAAC OGDEN WOODRUFF, M.D. . . . . *Assistant in Medicine*
CHARLES S. FISCHER, M.D. . . . . *Assistant in Medicine*
HAVEN EMERSON, M.D. . . . . *Assistant in Medicine*
LEANDER H. SHEARER, M.D. . . . . *Assistant in Medicine*
CLAUDE A. FRINK, M.D. . . . . *Assistant in Medicine*
HOWARD H. MASON, M.D. . . . . *Assistant in Medicine*

Clinical Assistants

JAY WILLIAM DOUNCE, M.D.
STANMORE L. CASH, M.D.
GEORGE E. BARNES, M.D.
HERMAN EICHHORN, M.D.
JULIUS W. WEINSTEIN, M.D.
GERALD H. GROUT, M.D.
EDWARD COOK, M.D.

Courses

See preliminary paragraphs, page 41

51–52—Clinical lectures on general medicine. Vanderbilt Clinic 1 hour a week. Professor JAMES

53–54—Clinical lectures on general medicine. Roosevelt Hospital, 1 hour a week. Professors JAMES and JACKSON

55–56—Bedside instruction. In the wards of Roosevelt or Presbyterian Hospitals in sections. 6 hours for four weeks. Professor JAMES

57–58—Physical diagnosis. Practical instruction in the Vanderbilt Clinic and Bellevue Hospital. 24 lessons for each student. Drs. MILLER, HART, and FRISSELL

59–60—Hospital general diagnosis. 20 lessons, 4 hours each, for each student, Bellevue Hospital. Professor JACKSON, and Drs. LOCKWOOD, DRAPER, NORRIE, and Dr. WOODRUFF

61–62—Clinical instruction to sections, St. Mary's Free Hospital for Children. Twice a week for 8 weeks. Dr. SWIFT

63–64—Recitations in general medicine. In sections, 2 hours. Drs. BOVAIRD and EVANS

65–66—Recitations in general medicine. In sections. 1 hour. Dr. DOW

67–68—Lectures and demonstrations on physical diagnosis. 1 hour. Dr. SUMNER

69–70—Hospital clinics in general medicine. Optional

Presbyterian Hospital. Professors KINNICUTT and THACHER

St. Mary's Free Hospital. Dr. SWIFT

71–72—Practical instruction, Vanderbilt Clinic. In sections, 8 hours a week for one month. Dr. WILLIAMS and ASSISTANTS IN MEDICINE

Psychology

(See page 130)

Public Law and Jurisprudence

(See page 103)

Rhetoric and English Composition

(See page 83)

Romance Languages and Literatures

ADOLPHE COHN, LL.B., A.M.....*Professor*
HENRY ALFRED TODD, Ph.D.....*Professor of Romance Philology*
CARLO LEONARDO SPERANZA, LL.B., A.M.....*Professor of Italian*
[1] BENJAMIN DURYEA WOODWARD, Ph.D.....*Professor*
LOUIS AUGUSTE LOISEAUX, B.S.....*Adjunct Professor*

[1] Absent on leave, 1907-1908.

CURTIS HIDDEN PAGE, Ph.D.....*Adjunct Professor*
DANIEL JORDAN, S.B., Pd.B.....*Adjunct Professor*
HENRY BARGY, A.M.....*Instructor*
JOHN DRISCOLL FITZ-GERALD, Ph.D.....*Instructor*
HENRI FRANÇOIS MULLER, B. ès L.....*Tutor*
JOHN G. GILL, Ph.D.....*Tutor*
DINO BIGONGIARI, A.B.....*Lecturer*
JOHN LAWRENCE GERIG, Ph.D.....*Lecturer*

Courses **201, 203,** and **204** are given by Professor BRANDER MATTHEWS of the Department of English.

See preliminary paragraphs, page 41

For courses under 100 there is a special numbering under French, Italian, and Spanish respectively. Courses above 100 are all numbered under the general heading Romance Languages and Literatures.

Courses in French

A1–A2—Elementary course. 3 hours. Columbia College, Mr JORDAN and Dr. GILL. Barnard College, Mr. MULLER and Dr. GERIG

B1–B2—Grammar, reading, and composition. 3 hours. Columbia College, Mr. JORDAN, Dr. FITZ-GERALD, Dr. GILL, and Dr. GERIG. Barnard College, Mr. MULLER and Dr. GERIG

† **1–2**—Introduction to the study of French literature. 3 or 4 hours. Columbia College, Professors PAGE and JORDAN and Dr. GERIG. Barnard College, Mr. MULLER and Dr. GERIG

† **3–4**—Historical French. Practice in reading, writing, and speaking French. 3 hours. Columbia College, Mr. MULLER. Barnard College, Professor JORDAN

† **5–6**—History of French literature in the seventeenth century. 3 hours. Mr. BARGY

7–8—History of the French language with special application to modern sounds and forms. 2 hours. Dr. GERIG

[**21–22**—Advanced grammar and composition. 3 hours. Professor COHN, Teachers College]

101–102—History of French literature in the eighteenth century, especially Voltaire. 3 hours. Professor COHN

† **101–102**—History of French literature in the eighteenth century. 3 hours. Barnard College, Mr. BARGY

[**103–104**—History of French literature in the eighteenth century, especially Montesquieu, Rousseau, and the Encyclopedists. 3 hours. Mr. BARGY]

† [**107–108**—History of the French literary movement in the first half of the nineteenth century. 2 hours. Professor PAGE]

† Given only in Barnard College.

† 109–110—History of the French literary movement in the second half of the nineteenth century. 2 hours. Professor PAGE

111–112—French literature of the sixteenth century. 2 hours. Professor LOISEAUX

113–114—Old French. Reading and discussion of selected extracts and of complete texts. 2 hours. Professor TODD

[201—The French dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS]

203–204—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS

[205–206—Special topics in seventeenth century French literature. 2 hours. Professor COHN]

207–208—Special topics in eighteenth century French literature. 2 hours. Professor COHN

209–210—Special topics in sixteenth century French literature. 2 hours. Professor PAGE

211–212—History of criticism and literary ideals in France. 2 hours. Mr. BARGY

[213–214—French literature in its relation to history and political science. 2 hours. Mr. BARGY]

Education 165–166.—Methods of teaching French in secondary schools. 2 hours. Teachers College, Professor COHN

301–302—Seminar—Special topics in Romance literature. Subject for 1907–08. The narrative and historical works of Voltaire. 2 hours. Professor COHN

15–16—French conversation. 1 hour. Columbia College, Professor LOISEAUX, Barnard College, Mr. MULLER

Courses in Italian

*1–2—Elementary course—Grammar, reading, and composition. 3 hours. Mr. BIGONGIARI

*3–4—General introduction to the study of Italian literature. Composition. 3 hours. Professor SPERANZA

131–132—Italian literature of the fourteenth and fifteenth centuries exclusive of the *Divina Commedia*. Composition. 3 hours. Mr. BIGONGIARI

[133–134—Italian literature of the sixteenth century and of the period of decadence down to the middle of the eighteenth century. Composition, 3 hours. Mr. BIGONGIARI]

[135–136—Critical study of Dante's *Divina Commedia*. First part. 2 hours. Professor SPERANZA]

* Starrred courses are given in both Columbia College and Barnard College.
† Given only in Barnard College.

137–138—Critical study of Dante's *Divina Commedia*. Second part. 2 hours. Professor SPERANZA

231–232—Italian literature of the second half of the eighteenth century and of the nineteenth century. 3 hours. Professor SPERANZA

Courses in Spanish

*1–2—Elementary course. 3 hours. Professor LOISEAUX

*3–4—General introduction to Spanish literature. Composition. 3 hours. Columbia College, Dr. FITZ-GERALD; Barnard College, Professor LOISEAUX

141–142—The novela of the golden age. 3 hours. Dr. FITZ-GERALD

[143–144—The Spanish classical drama. 3 hours. Dr. FITZ-GERALD]

241–242—History of Spanish literature. Lectures and private reading. 1 hour. Dr. FITZ-GERALD

11–12—Spanish conversation. 1 hour. Professor LOISEAUX

Courses in Romance Philology

151–152—Introduction to Romance philology. 2 hours. Professor TODD

[251–252—Critical study of the *Chanson de Roland*. 1 hour. Professor TODD]

253–254—Oldest monuments of the French language. 1 hour. Professor TODD

[255–256—Old French dialects. 1 hour. Professor TODD]

257–258—The Oriental element in the Romance literatures of the Middle Ages. Dr. GILL

259–260—Old Provençal. 1 hour. Professor TODD

[261–262—The origins of Spanish poetry. 1 hour. Dr. FITZ-GERALD]

263–264—The oldest monuments of the Spanish language. 1 hour. Dr. FITZ-GERALD

[265–266—The origins of the Spanish novela. 1 hour. Dr. FITZ-GERALD]

267–268—The origins of the Spanish drama. 1 hour. Dr. FITZ-GERALD

271–272—Portuguese. 2 hours. Professor TODD

273–274—Rumanian. 2 hours. Professor COHN

303–304—Seminar—Presentation and discussion of doctoral dissertation work. 2 hours. Professor TODD

* Starred courses are given in both Columbia College and Barnard College.

Public Lectures

Weekly lectures in French, and occasional lectures in Italian and Spanish, open to all members of the University, are given by the members of the department and by invited lecturers.

The Romance Club

The Romance Club consists of all the instructors and advanced students in the department. At its meetings, which are partly of a social character, an account is given of the most important articles on the Romance languages and literatures in the recent French, English, German, Italian, and Spanish periodicals; new books are discussed, letters from absent instructors and former students in the department are read, etc.

Equipment

The Library of Columbia University is well supplied with French, Spanish, and Italian works, as well as with works upon Romance philology. Its list of periodicals of interest for students in the department is especially rich. The Library has also complete sets of the most important series and collections, such as the *Altfranzösische Bibliothek*, *Romanische Bibliothek*, publications of the Modern Language Association, publications of the Société des anciens Textes français, *Histoire littéraire de la France*, *Ausgaben und Abhandlungen aus dem Gebiete der romanischen Philologie*, *Jahrbuch für romanische und englische sprachen*, etc.

An important addition to the equipment of the department consists of the library of the Hispanic Society of America, 153d Street and Audubon Park, the work of which is conducted in agreement with the Romance department.

Co-operation with the Alliance Française

Elementary evening classes in French are conducted in co-operation with the Alliance Française at Morningside Heights and in the building of the College of Physicians and surgeons.

French Societies

Two societies have been organized for the purpose of fostering the use of the French language among the members of the University, viz., the Société Française de l'Université Columbia, which admits only men and the Sosiété Française de Barnard College, which admits only women. They give performances of French plays. The following plays have been presented in recent years: Scribe and Legouvé *Bataille de Dames;* Meilhac and Halévy, *L'Eté de la Saint-Martin;* Eugène Labiche, *Le Voyage de M. Gerrichon*; Molière, *Le Médecin malgré lui, Les Fourberies de Scapin, etc.*

Shop-work

Offered by the Department of Manual Training at Teachers College

CHARLES R. RICHARDS, B.S. ..... *Professor*
CHARLES P. BENNS, M.E. ..... *Instructor*
C. C. SLEFFEL ..... *Instructor*
CHARLES W. WEICK, B.S. ..... *Instructor*

1–2—Carpentry, framing, and joinery. 2 afternoons shop practice. Mr. WEICK

2s—Pattern-making and foundry-work. 100 hours in 3 weeks in June. Mr. WEICK

3—Forging. 1 hour conference. 200 hours shop practice during the year. Mr. SLEFFEL

4—Bench-work—Machine-tool work. 1 hour conference for instruction, and 100 hours shop practice during the year. Mr. BENNS

4s—Machine-tool work continued. 100 hours in 3 weeks in June. Mr. BENNS

5*l*—Machine-tool work, with special appliances for rapid and economical production. 2 afternoons. Mr. BENNS

7-8—Carpentry, framing, and joinery, first half-year; wood-turning, pattern-making, moulding, and foundry-work, second half-year. 1 afternoon shop practice. Mr. WEICK

9-10—Bench-work and vise-work, chipping, filing, threading and tapping, forging and blacksmith work, swaging, welding and tempering, first half-year; machine-tool work at lathe, planer, shaper, slotter, and milling machine, second half-year. 1 hour lecture and the equivalent of 1 afternoon shop practice. Mr. BENNS and Mr. SLEFFEL

Eighteen courses in Manual Training are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department, which will be sent without charge, upon application to the Secretary of the University.

Social Economy

(See page 72)

Sociology and Statistics

(See page 72)

Surgery

JOSEPH A. BLAKE, M.D. ..... *Professor*
GEORGE E. BREWER, M.D. ..... *Professor of Clinical Surgery*
FRANK HARTLEY, M.D. ..... *Professor of Clinical Surgery and Instructor in Operative Surgery*

ANDREW J. MCCOSH, M.D., LL.D....*Professor of Clinical Surgery*
CHARLES T. POORE, M.D.....*Clinical Lecturer*
ROBERT ABBE, M.D.....*Clinical Lecturer*
WILLIAM B. COLEY, M.D.....*Clinical Lecturer*
LUCIUS W. HOTCHKISS, M.D.....*Clinical Lecturer and Instructor*
BERN B. GALLAUDET, M.D.....*Clinical Lecturer and Instructor*
JOHN B. WALKER, M.D.....*Clinical Lecturer and Instructor*
CHARLES N. DOWD, M.D.....*Instructor*
WALTON MARTIN, M.D.....*Instructor*
EDWARD M. FOOTE, M.D.....*Instructor*
ALFRED S. TAYLOR, M.D.....*Assistant Instructor in Operative Surgery*
A. EMIL SCHMITT, M.D.....*Assistant Instructor in Operative Surgery*
FORBES HAWKES, M.D.....*Instructor*
CLARENCE A. MCWILLIAMS, M.D.....*Instructor*
ADRIAN V. S. LAMBERT, M.D.....*Instructor*
CARLETON P. FLINT, M.D.....*Instructor*
EUGENE H. POOL, M.D.....*Instructor*
JAMES C. AYER, M.D.....*Instructor*
PERCY R. TURNURE, M.D.....*Chief of Clinic and Instructor*
WILLIAM C. CLARKE, M.D.....*Instructor*
J. W. DRAPER MAURY, M.D.....*Instructor*
WILLIAM DARRACH, M.D.....*Instructor*
ROWLAND COX, Jr., M.D.....*Assistant Instructor in Operative Surgery*
JAMES H. KENYON, M.D.....*Assistant Instructor in Operative Surgery*
HOWARD D. COLLINS, M.D.....*Instructor*
JAMES I. RUSSELL, M.D.....*Assistant*
HENRY VAN V. HOLCOMB, M. D.....*Assistant*
FREDERICK T. VAN BEUREN, M.D.....*Assistant*
ALFRED C. PRENTICE, M.D.....*Assistant*

Clinical Assistants

WALTER H. HOLDRIDGE, M.D.
NOEL B. LEGGETT, M.D.
HENRY V. HOLCOMB, M.D.
ALFRED RAABE, M.D.
CLINTON B. KNAPP, M.D.
RANSON S. HOOKER, M.D.

WILLIAM T. BULL, M.D., *Emeritus Professor of Surgery*
ROBERT F. WEIR, M.D., *Emeritus Professor of Surgery*
CHARLES MCBURNEY, M.D., *Emeritus Professor of Surgery*

Courses

See preliminary paragraphs, page 41

For Courses in Genito-Urinary Diseases see under Clinical Instruction, page 66.

51–52—Surgical pathology, general and regional surgery—Didactic lectures. 1 hour. Professor BLAKE

53–54—Clinics in general surgery at the Vanderbilt Clinic. 2 hours. Professors BLAKE and BREWER

55–56—Clinics at Roosevelt Hospital. 4 hours. Professors BLAKE and BREWER

57–58—Minor surgery and bandaging—Practical instruction at the Vanderbilt Clinic, and the out-patient department, Roosevelt Hospital. 45 lessons for each student. Drs. TURNURE and DARRACH

59–60—Operative surgery upon the cadaver—Practical instruction to sections. Each student performs for himself upon the cadaver the principal operations, special attention being paid to operation upon the abdominal viscera. 10 to 12 lessons for each student. Professor HARTLEY, Drs. TAYLOR, SCHMITT, AYER, COX, and KENYON

61–62—Practical instruction to sections of the class in Vanderbilt Clinics, Bellevue, Roosevelt, Presbyterian, and [the City Hospitals. Professor BREWER, Drs. GALLAUDET, HOTCHKISS, MARTIN, FLINT, HAWKES, MCWILLIAMS, COLLINS, FOOTE and assistants in surgery.

63–64—Practical instruction in the surgery of children at St. Mary's Free Hospital for Children, to sections of the class, once a week for two months for each student. Dr. DOWD

66—Practical instruction in the mechanical treatment of hernia at the Hospital for the Ruptured and Crippled, to sections. 1 hour. Dr. COLEY

67–68—Recitations in general and regional surgery, to sections. 2 hours. Drs. POOL and LAMBERT

69–70—Recitations and clinic in surgical pathology and general surgery, to sections. 3 hours. Dr. CLARKE

71–72—Practical instruction in surgical technic at the Laboratory for Surgical Research, to sections. Dr. MAURY

73–74—HOSPITAL CLINICS (optional):

New York Hospital. 1 hour. Professor HARTLEY

St. Luke's Hospital. 1 hour. Dr. ABBE

Presbyterian Hospital. 1 hour. Dr. MCCOSH

Hospital for the Ruptured and Crippled. 5 hours. Professors GIBNEY and BULL, and Drs. COLEY and WHITMAN

St. Mary's Free Hospital for Children. 2 hours. Drs. POORE and DOWD

Zoölogy

EDMUND B. WILSON, Ph.D., LL.D.....*Professor*
HENRY F. OSBORN, Sc.D., LL.D.....*Da Costa Professor*
BASHFORD DEAN, Ph.D.....*Professor of Vertebrate Zoölogy*
HENRY E. CRAMPTON, Ph.D...*Professor of Zoölogy in Barnard College*

GARY N. CALKINS, Ph.D. ..... *Professor of Protozoölogy*
MAURICE A. BIGELOW, Ph.D. ..... *Professor of Biology in Teachers College*
THOMAS H. MORGAN, Ph.D. ..... *Professor of Experimental Zoölogy*
JAMES H. MCGREGOR, Ph.D. ..... *Adjunct Professor of Zoölogy*
RAYMOND C. OSBURN, Ph.D. ..... *Instructor in Barnard College*
MARGARET A. REED, A.B. ..... *Tutor in Barnard College*
PAULINE H. DEDERER, A.M. ..... *Tutor in Barnard College*
WILLIAM K. GREGORY, A.M. ..... *Lecturer*
CHARLES V. MORRILL, Jr., A.M. ..... *Assistant*
DAVID W. WHITNEY, A.M. ..... *Assistant*

Of the following courses **1–2, 4, 5, 91–92,** and **101–102** are given separately at Barnard College, **151–152** only at Barnard; all other courses are open to women.

For courses given at Teachers College see the current announcement of Teachers College.

Courses

See preliminary paragraphs, page 41

1–2—Elementary biology, zoölogy, histology, embryology, general principles of biology (presupposing elementary chemistry or physics). Shorter course, *C* 2 hours, *L* 4 hours; longer course *C* 3 hours, *L* 6 hours. Professors CALKINS, DEAN, MORGAN, and MCGREGOR

4—Experimental biology. 3 hours (one afternoon) of lectures, conferences, and laboratory work. Prerequisite **1–2**. Professor MORGAN

5—General biology. 3 hours (one afternoon) of lectures, conferences, and laboratory work. Prerequisite **1–2**. Professor WILSON

91–92—General zoölogy (to follow **1–2**). Professor MCGREGOR

[**91**—Invertebrates. *C* 3 hours, *L* 6 hours]

[**92**—Vertebrates. *C* 3 hours, *L* 6 hours]

93—Embryology of vertebrates. *C* 1 hour, *L* 2 hours. Professor MCGREGOR

101–102—General Zoölogy. *C* 3 hours, *L* 6 hours and assigned work. Professor MCGREGOR

106—Cellular biology—General structure and functions of the cell. *C* 1 hour, *L* 5 hours. Professor WILSON

Open to undergraduates who have had at least two years of study in zoölogy.

97–98—Practical histology. Forms a supplement to **91–92** but may be taken separately, or with **93**. Pre-requisite **1–2**. *C* 1 hour, *L* 2 hours. Professor MCGREGOR

110—Special Morphology. The parasitic protozoa. *C* 1 hour. *L* 5 hours. Pre-requisite 1–2. Professor CALKINS

151–152—General physiology (for women). *C* 2 hours, *L* 4 hours. Miss REED

201–202—Comparative zoölogy—Lectures, seminar, and laboratory work. Two days. Either half may be taken separately.

201—Special topics in invertebrate zoölogy. Professor WILSON

202—Evolution of the vertebrates. Professor OSBORN and Dr. GREGORY

203–204—Mammals, living and fossil—Lectures and laboratory course. 6 hours (one day). Professor OSBORN

The latter part of this course is given in the American Museum of Natural History.

205—Fishes, living and fossil—*C* 1 hour, *L* 2 hours. Professor DEAN

207—Advanced biology—Individual study of special biological problems as an introduction to original investigation.

208–209—Comparative embryology. One day. Professors DEAN and CALKINS

210—The protochordates. One day. Professor MCGREGOR

213—The tropisms of animals. 1 hour, with demonstrations and opportunities for laboratory work. Professor MORGAN

215–216—Experimental zoölogy. 1 hour with laboratory work on special problems. Professor MORGAN

217—Regeneration. 1 hour. Professor MORGAN

218—Experimental embryology. This course is parallel to 220. 1 hour. Professor MORGAN

220—Cellular embryology. 6 hours (one day). Professor WILSON

221–222—Protozoölogy. *C* 1 hour, *L* 5 hours. Professor CALKINS

226—The enterocœla (exclusive of the protochordates). *C* 1 hour, *L* 5 hours. Professor CRAMPTON

JOURNAL CLUB—Reports and discussions of recent literature by members of the staff, graduate students, and others. 1 hour a week throughout the year. Under direction of the staff.

SEMINAR—Critical discussion of selected topics by members of the staff and graduate students. Subject and time are specially arranged.

UNIVERSITY BIOLOGICAL LECTURES—A course of lectures on general topics, given, as a rule, each year, by members of the staff and eminent specialists from other institutions. These lectures form the basis of the Columbia Biological Series, edited by Professors OSBORN and WILSON

Laboratories, Libraries, and Equipment

The zoölogical laboratories on the upper floor of Schermerhorn comprise a large general undergraduate laboratory, three graduate laboratories, and eight rooms for private research, besides special rooms for supplies, aquaria, and preparation. There are also a commodious lecture-room, a library, and a seminar-room. The laboratories are well equipped with optical instruments, microtomes, and other apparatus for advanced work. The teaching collections include a series of the Mediterranean and American marine types, and the injected vertebrate series of Fric and Muller, a set of standard and specially prepared charts and wax models, and a variety of living animals and plants contained in fresh-water and marine aquaria.

The departmental library, a part of the University Library kept in the laboratory, the gift of Charles H. Senff, Esq., is a memorial to the late Dr. John I. Northrop. It embraces sets of the standard biological works and includes the journals and a rapidly increasing collection of special monographs. A fund is available for the purchase of literature needed in connection with the special researches of students.

Important adjuncts to zoölogical work are offered by the American Museum of Natural History, the Bronx Zoölogical Garden, the New York Aquarium, and by the marine biological laboratories at Wood's Hole, Mass., and Cold Spring Harbor, L. I. An investigator's table is held at the Wood's Hole laboratory, and the John D. Jones scholarship is available at the Cold Spring Harbor laboratory.

ENTRANCE EXAMINATIONS

Committee

Professor YOUNG, *Chairman;* Professors COLE, CRAMPTON, HAMLIN, HERVEY, LAMBERT, MCCREA, MACLAY, RUSBY, and SACHS.

GENERAL STATEMENT

There are no examinations for admission to the Schools of Law, Political Science, Philosophy, Pure Science, and Fine Arts (Courses leading to degrees), or to Teachers College. For the requirements for admission to these departments, see the separate announcements of the Schools and Faculties concerned.

Examinations for admission to Columbia College, Barnard College, the College of Physicians and Surgeons, the College of Pharmacy (University Course), the Schools of Applied Science and the Schools of Fine Arts (courses leading to certificates) are held each year in January, June, and September. In 1908 they will be held January 20–27, June 15–20, and September 14–21.

In June the examinations are those of the College Entrance Examination Board, of which Columbia University is a member. The University accepts the numerical ratings of the Board, but fixes a uniform passing mark for the several colleges and schools.

In January and September the examinations will be held only at the University. The Board *at present* holds examinations only in June.

While all persons taking the January examinations will receive due credit for the results of the examinations, students may be admitted, at the beginning of the second half-year, only to Columbia College and Barnard College.

All correspondence with the College Entrance Examination Board, all requests for its publications, etc., should be addressed to its Secretary, Post-Office Sub-Station 84, New York, N. Y.

All correspondence with the University should be addressed to the Secretary of the University.

APPLICATION FOR EXAMINATION

Every candidate for examination is required to file an application.

For the examinations in June, 1908, the application must be filed with the Secretary of the College Entrance Examination Board. Applications for examination in the United States East of the Mississippi River (also at Minneapolis, St. Louis, and other points on the

Mississippi River) must be filed on or before June 1. Applications for examination elsewhere in the United States or in Canada must be filed on or before May 25. Applications for examination outside of the United States and Canada must be filed on or before May 11. Requests for blank forms of application should be addressed to the Secretary of the Board.

For the examinations in January and September, 1908, applications should reach the Registrar of Columbia University on or before January 13, and September 7. Requests for blank forms of application should be addressed to the Secretary of Columbia University and the Registrar of Barnard College.

EXAMINATION FEE

Every application for examination in June must be accompanied by a fee of $5 for all candidates examined at points in the United States and Canada, and $15 for all candidates examined at points outside of the United States and Canada.

Every application for examination in January or September must be accompanied either by a fee of $5, by a receipt from the Bursar for an examination fee previously paid, or by the receipt issued by the Secretary of the College Entrance Examination Board for the June examinations immediately preceding. *The latter will be accepted in either September or January, but not in both; and a single fee paid to the University will cover only two consecutive series of examinations namely January and September or September and January.*

If a late application is accepted either by the College Entrance Examination Board, or by the University, a second fee of $5 must be paid.

The examination fee receipt should be carefully preserved. It must be presented by the candidate to the Supervisor in charge of the examinations which he attends as evidence that he is entitled to be admitted to the same. No candidate will be admitted to the January or September examinations upon the receipt of the Board, unless that receipt bears the certification of the Registrar of Columbia University that the candidate's application has been filed.

DIVISION OF EXAMINATION

A candidate may present himself at any of the scheduled series of examinations subject to the following restrictions:

(1) He may not present himself at more than four series of examinations except by special consent of the Committee on Admissions of the School which he purposes to enter.

(2) At the first and second series credit will be given only for such subjects, or lettered (or numbered) parts of a subject as are approved by his principal instructor.

(3) The results of an examination shall stand to his credit for twenty-eight months, but no longer.

PLACES OF EXAMINATION

In June 1908, entrance examinations will be held at a large number of widely distributed points, a list of which will be published by the Board about March 1. Requests for examinations at particular points, should reach the Secretary of the Board not later than February 1.

In January and September, 1908, examinations will be held only at at the University

EXAMINATION SUBJECTS

Columbia University recognizes the following examination subjects which may be offered for admission to one or more of the colleges and schools included in the University, each subject counting for a specific number of points as indicated below:

English	3	Musical Appreciation	1
Elementary French	2	Musical Performance [1]	2
" German	2	Physiography	1
" Greek	3	Shopwork [1]	1
" History	2	Zoölogy	1
" Italian [1]	2	Intermediate French	1
" Latin	4	" German	1
" Mathematics	3	Advanced English [1]	1
" Physics	1	" Greek [1]	1
" Spanish	2	" History [1]	1
Botany	1	" Latin [1]	1
Chemistry	1	" Mathematics	1
Drawing	1	" Physics [1]	1
Harmony	1		

The combinations of subjects for admission to the several colleges and schools are indicated in the pages devoted to each college or school, under the heading Admission.

SCHEDULE OF EXAMINATIONS

The examination at Columbia University will be held as follows:

For men, in Earl Hall in January, and in the Gymnasium in June and September.

For women in Barnard College in January, June, and September.

Candidates taking these examinations must report to the Supervisor, in the examination room, fifteen minutes in advance of the first examination which they are to attend.

[1] Candidates will be examined in this subject only in January and September.

Schedule

January 20-27, 1908, June 15-20, 1908

Monday, January 20 and June 15

Mathematics *a*, i, ii (Elementary Algebra: to Quadratics; Quadratics, etc.)	9.30–12.30
History *b* (Mediæval and Modern History)	1.30–3.30
History *d* (American History)	1.30–3.30
Physics (Elementary)	3.45–5.45
Botany	3.45–5.45
Zoölogy	3.45–5.45

Tuesday, January 21 and June 16

Mathematics *c*, *d* (Plane Geometry; Solid Geometry)	9–12
History *a* (Ancient History)	1.30–3.30
History *c* (English History)	1.30–3.30
German *a* (Elementary German)	3.45–5.45

Wednesday, January 22 and June 17

*Shopwork (Written)	9–10.30
Latin *b* (Cæsar)	9–10.30
Latin *m* (Sight Translation)	10.45–12.30
French *a* (Elementary French)	1.30–3.30
German *b* (Intermediate German)	3.45–5.45
Spanish	3.45–5.45
*Italian	3.45–5.45

Thursday, January 23 and June 18

Latin *c* (Cicero)	9–11
Latin *a* (Grammar and Composition)	11.15–12.30
Latin *d* (Vergil's Æneid, Books I–VI)	1.30–3.30
French *b* (Intermediate French)	3.45–5.45

Friday, January 24 and June 19

English *a* (Reading and Practice)	9–11
Latin *l* (Prose Composition)	11.15–12.30
English *b* (Study and Practice)	1.30–3.30
Chemistry	3.45–5.45
Physiography	3.45–5.45
Greek *c* (Homer's Iliad, Books I–III)	3.45–5.45
Music *b* (Harmony)	3.45–5.45

Saturday, January 25 and June 20

Greek *b* (Xenophon)	9–11
Drawing	9–11.30

*Not offered in June.

Greek *a* (Grammar and Composition)	11.15–12.30
*Advanced History	1.30–3.30
Mathematics *e* (Trigonometry)	1.30–3.30
Greek *g* (Sight Translation)	1.30–3.30
Greek *f* (Prose Composition)	3.45–5.45
Music *a* (Musical Appreciation)	3.45–5.45

Monday, January 27

*Shopwork (Laboratory)	10–12
*Advanced English	9–12
*Advanced Greek	9–12
*Advanced Latin	1–4
*Advanced Physics	1–4

SUBMISSION OF NOTE-BOOKS, DRAWINGS, ETC.

All work submitted must be duly certified to in ink by the teacher in the following form:

"I certify that this is a true and original record of work actually performed by .....while in attendance at ..... during the year 19.....

Instructor in.....

Drawings should bear a similar certification, or in case of work not done under instruction should be accompanied by the candidate's own signed declaration.

All note-books unless otherwise specified should be submitted at the time for examination. Candidates desiring their return should apply for the June examinations to the Secretary of the College Entrance Examination Board; for the September and January examinations, to the Secretary of the University.

English exercise books, submitted in lieu of examination, Advanced English essays, or Advanced History and Advanced Physics note-books, should be sent to the Secretary of the University at least two weeks before the examinations begin. Within ten days the candidate will be informed whether or not the work submitted has been accepted. English exercise books will *not* be returned to the writers.

DEFINITIONS OF REQUIREMENTS[1]

(Specimens of the question papers set by Columbia University may be obtained from the Secretary upon application. The question papers set by the College Entrance Examination Board are published annually in book form by Ginn & Company, Boston, Mass.)

* Not offered in June.

[1] The several subjects are stated in terms of units; the unit is a course of five periods weekly throughout an academic year of the preparatory school; the subjects are assigned units in accordance with the time required to prepare adequately upon them for college entrance.

The following abridged statements are intended merely to indicate the general scope of the requirements. The official definition of each requirement is printed in full in the Bulletin of Entrance Examinations and any person who intends to take the examinations himself or to prepare others for them, should procure this Bulletin. The current edition of the Bulletin and specimen question papers may be obtained from the Secretary of Columbia University upon application.

Botany[1] (One point). (1) Structure and life history of 16 or more types of representative families of plants, 10 of them seed plants. (2) Elementary plant physiology. (3) Elementary natural history (ecology of plants). Requiring one year of laboratory and class-room instruction, for the course.

Chemistry[1] (One point). Preparation and properties of the common elements and their important compounds.

Mastery of the more usual chemical terms and ability to make simple calculations and explanations of chemical processes. Preparation should include lectures and demonstrations, study of standard elementary text-books, and forty or more laboratory exercises.

Drawing[1] (One point). The ability to sketch free hand with reasonable accuracy—(a) From dictation: Simple geometrical figures; (b) From the object: A vase, household utensil, or other familiar object; (c) From the copy: Enlarging or reducing simple pieces of machinery or architectural or decorative detail. (At least 20 freehand drawings must be submitted).

English (Three points). (a) Reading and Practice (This part of the test may be fulfilled in whole or in part by an exercise book.) (See page 158). A test of training in English composition. A list of the books prescribed for reading appears in the Bulletin. (b) Study and Practice. The subject-matter, form and structure of certain specified works, and incidentally English grammar and English literary history. Prescribed for 1908:—Julius Cæsar; Lycidas; Comus; L'Allegro and Il Penseroso; Burke on Conciliation; Macaulay's Addison and Life of Johnson. (For succeeding years see Bulletin).

English, Advanced. (One point). The equivalent of English A1–A2 (See page 84). (1) English composition, presupposing the elements of rhetoric. (2) General history of English literature, and selected works, (a list of which may be obtained from the Secretary of the University). Ten essays of at least 500 words each must also be submitted. (See p. 158).

[1] A certified and indexed note-book must be submitted: (See p. 158).

French, Elementary. (Two points). Accurate pronunciation and the ability to read at sight easy prose and to put into French simple English sentences. The rudiments of the grammar, involving all but the rare irregular verb forms and the simpler uses of conditional and subjunctive. The preparation should include, beside the mastery of a good elementary text-book, the reading of 300–600 pp. of easy French.[1]

French, Intermediate. (One point). Additional reading, 400–600 pp. including dramatic works. Grammar completed. Further drill in composition.

German, Elementary (Two points). Accurate pronunciation and the ability to read easy dialogue and narrative prose, and a working knowledge of grammar and composition adequate for the putting into German of simple English sentences based upon a familiar vocabulary. The preparation should include, beside the mastery of a good elementary text-book, the reading of 150–200 pp. of easy German.[1]

German, Intermediate (One point). Additional reading, 400 pp. of moderately difficult prose and poetry. Further drill in grammar and composition, with special reference to syntax.

Greek, Elementary (Three points). (a) 1 and 2.—Attic grammar and elementary composition, based on Anabasis I–II. (b) Anabasis I–IV. (c) Iliad I–III (except II 494–end) with tests concerning constructions, poetic forms, and prosody. (f) Translation into Greek of simple continuous English prose. (g) Translation into English at sight of continuous Greek prose.

Greek, Advanced (One point). The equivalent of Greek 3–4 (see p. 93): at least 1600 additional lines in Homer and eight orations of Lysias.[2] Also at least twenty exercises in writing connected narrative Greek prose.

History, Elementary (Two points, i. e., a and b, or c and d, or (for Applied Science) one point, i. e., a or b or c or d.) Either (a) Ancient, beginning with brief study of Oriental peoples and coming down to the death of Charlemagne, with reference to art, literature, and government. (b) from 800 on including growth of the State system. (c) English history, including social and political developments. (d) American history with the elements of civil government.

Each field may best be covered by an accurate text-book of 300 pp. plus, say, 300 pp. of selected supplementary reading.

[1] A list of the reading recommended will be found in the Bulletin.

[2] For information concerning possible substitutions, see Bulletin.

History, Advanced [1] (One point). (To be taken in the group not offered for Elementary History). Equivalent to History A1–A2. (See page 96). Supplementary reading emphasizing the significance of historical phenomena. The candidate must present at least 5000 words of notes on each historical field offered, and show practice in making historical parallels, in preparing digests of outside reading, and in the use of historical maps.

Italian, Elementary (Two points). The requirement corresponds to that in Elementary French. (See p. 160).

Latin, Elementary (Four points, i.e., a, c, d, l, and m, or two points, i.e., a and either c or d, or (except for Columbia College and Barnard College) and Schools of Music and Design (courses leading to a certificate in Music or Design) b. (a) i and ii—Elementary grammar and prose composition. (b) Any four books of Cæsar's Gallic War, preferably I–IV. (c) Cicero, any six orations, preferably the four orations against Catiline, Archias, and the Manilian Law. (d) Vergil. The Æneid I–VI, with incidental prosody. (l) Translation into Latin of simple continuous English prose. (m) Translation into English at sight of continuous Latin prose.

Latin, Advanced (One point). Equivalent to Latin A1–A2. (See page 100). Horace, Odes Bks. I and III, with incidental prosody, and Livy, Bk. XXI and Chapters 41–53 Bk. XXII. [2] Twenty exercises from Part I of Gildersleeve and Lodge's Prose Composition.

Mathematics, Elementary (Three points). (a) Elementary algebra, including—i., the four fundamental operations for rational expressions, and such topics as lowest common multiple, ratio and proportion, linear equations radicals, fractional and negative exponents; ii. Quadratic equations, arithmetic and geometric progressions, the binomial theorem for positive integral exponents, the use of graphical methods. (b) Plane Geometry—original exercises, loci, mensuration of lines and plane surfaces.

Mathematics, Advanced (One point). (d) Solid geometry, original exercises, loci problems, mensuration of surfaces and solids. (e) Trigonometry, the principal formulas, simple equations and triangles, theory and use of logarithms (without infinite series).

Music. NOTE—A candidate for admission to Columbia College may offer either *a* or *b*. A candidate for admission to the School of Music (courses leading to a certificate in Music) may offer either *a* or *b* or both—with or without the addition of Musical Performance.

[1] A certified note-book must be submitted. (See p. 158).

[2] For information as to possible substitutions, see Bulletin.

(a) Musical Appreciation (not involving ability to perform nor to read from printed music) (one point). (1) the principal musical forms and their historical development, (2) the lives and environment of Bach, Mozart, Beethoven, Schubert and Chopin, and five other composers; (3) familiarity with certain compositions designated in Bulletin.

(b) Harmony (One point). The elements of simple harmonization.

(c) Musical Performance (Two points). The candidate should communicate with the School of Music regarding this requirement.

Physics [1] (One point). The most important facts and laws in elementary physics. Preparation should include the mastery of a standard text-book supplemented by numerical problems, instruction by lecture with demonstrations and individual laboratory exercises—say mechanics, 13; sound, 3; heat, 5; light, 6; electricity, 8.

Physics, Advanced [1] (One point). Equivalent to Physics 3–4 (see page 137). Requires 30 additional and more advanced experiments.

Physiography [1] + [4] (One point). Preparation includes modern text-books and at least forty individual laboratory and field exercises, say, earth as a globe, 5; ocean, 5; atmosphere, 12; land, 18.

Shopwork (One point). Involving in each subject 180 laboratory hours, examination, both written and practical, on the use and structure of tools, nature of shop processes, methods of construction, and properties of materials. Authenticated models may be presented as evidence of technical skill.

The candidate may offer either (a) Woodwork—i. joinery, ii. turning and patternmaking, or (b) Forging, or (c) Machine-work.

Spanish, Elementary (Two points). The requirements correspond to that in elementary French, see page 160.

Zoology [1] (One point). Laboratory and field study, supplemented by text-book and further reading. (1) General natural history of common American animal types. (2) Classification of animals into phyla and leading classes. (3) Structure of typical animals—say, frog or fish, decapod, earthworm, hydra, protozoon. (4) Physiology of the types studied and comparison of life- processes

[1] A certified and indexed note-book must be submitted. (See p. 158).

[4] This corresponds to the subject called Geography by the College Entrance Examination Board.

of animals and plants. (5 and 6) (in a very elementary way) reproduction, embryology and (optional) elements of cytology. (7) optional biological history.

REGULATIONS FOR THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

NOTE.—Attention is particularly called to the separately printed pamphlet entitled "Instruction for Graduate Students."

1. Candidates for the degrees of Master of Arts and Doctor of Philosophy must hold a baccalaureate degree in arts, letters, philosophy, or science, or an engineering degree, or an education equivalent to that represented by one of these degrees, such equivalence to be passed upon in every case by the Standing Committee on Higher Degrees.

Every candidate for a higher degree must present to the Dean of each school in which he intends to study satisfactory evidence that he is qualified for the studies he desires to undertake.

2. Candidates for the degrees of Master of Arts and Doctor of Philosophy must pursue their studies in residence for a minimum period of one and two years, respectively.[1] The year spent in study for the degree of Master of Arts is credited on account of the requirement for the degree of Doctor of Philosophy. Residence at other universities may be credited to a candidate. In certain cases and by special arrangement, time exclusively devoted to investigation in the field will be credited in partial fulfilment of the requirement of residence. No degree will be conferred upon any student who has not been in residence at Columbia University for at least one year. The satisfactory completion, at not less than four Summer Sessions or two consecutive Summer Sessions and the half-year intervening or following, of courses of instruction having in all a value of eight hours' work a week for one academic year will be accepted as fulfilling the minimum requirement of one year's university residence.

3. Each student who declares himself a candidate for the degrees of Master of Arts and Doctor of Philosophy, or either of them, shall designate one principal or major subject and two subordinate or minor subjects.

Candidates are expected to devote at least one half of their time throughout their course of study to the major subject. In the case of laboratory courses this implies two days a week, or its equivalent, as determined by each department. Each minor subject is intended to occupy approximately one fourth of the time during one year for the degree of Master of Arts, and during two years for the degree of Doctor of Philosophy.

[1] In practice three years of university residence subsequent to the attainment of the Bachelor's degree, or its equivalent, are usually necessary to obtain the degree of Doctor of Philosophy.

When a candidate in his choice of subjects under any Faculty designates a subject as his major and first minor, no subdivision of that general subject may be chosen by him as a second minor, except that, by special vote of the Committee on Higher Degrees, upon the recommendation of the Dean and the head of the department concerned, a candidate may choose all of his subjects under one department.

Minor subjects may not be changed except by permission of the Dean, to be given only on the written recommendation of the heads of the departments concerned; major subjects may not be changed except by a special vote of the Faculty in each case.

The professor in charge of the major subject and the Dean of the Faculty under which that subject lies shall pass upon the student's qualifications for the course of study he desires to pursue and shall approve his choice of subjects before registration can be effected.

4. The subjects from which the candidate's selection must be made are:

Under the Faculty of Political Science

Group I.—History and political philosophy: 1. Ancient and oriental history; 2. mediæval history; 3. modern European history from the opening of the 16th century; 4. American history; 5. political philosophy.

Group II.—Public law and comparative jurisprudence: 1. Constitutional law; 2. international law; 3. administrative law; 4. comparative jurisprudence.

Group III.—Economics and social science: 1. Political economy and finance; 2. sociology and statistics; 3. social economy.

In his choice of subjects under this Faculty, the candidate whose major subject lies within its jurisdiction is limited by the following rules:

A candidate for the degree of Master of Arts or Doctor of Philosophy must select one minor subject outside of the group which includes his major subject.

A candidate for the degree of Doctor of Philosophy must select one minor subject within the group which includes his major subject.

To be recognized as a major subject for the degree of Master of Arts, the courses selected must aggregate at least two hours per week, throughout the year, and must also include attendance at a seminar. For a minor subject for the degree of Master of Arts the attendance at a seminar is not required.

Similarly, a major subject for the degree of Doctor of Philosophy involves at least four hours per week, together with attendance at a seminar for two years (provided that this number of hours be offered in the subject), and a minor subject for the same degree involves two hours weekly in addition to the requirements for the degree of Master of Arts.

Under the Faculty of Philosophy

I Major Subjects: 1. Philosophy; 2. psychology; 3. anthropology; 4. education; 5. linguistics; 6. comparative literature; 7. classical archæology and epigraphy; 8. Greek language and literature, and, incidentally, Grecian history; 9. Latin language and literature, and, incidentally, Roman history; and the following, *including in each case the study of both the language and the literature:* 10. English; 11. Germanic; 12. Romance; 13. Sanskrit (with Pālī) and Iranian; 14. Semitic; 15. Chinese. Nos. 1, 2, 3, 4, 6, 10, 11, 12, 13, 14, and 15 count each as the equivalent of a major and one minor subject.

II. Minor Subjects: 1. Philosophy; 2. psychology; 3. anthropology; 4. education; 5. linguistics; 6. comparative literature; 7. Greek; 8. Greek archæology; 9. Latin; 10. Roman archæology; 11. Sanskrit; 12. Iranian; 13. English; 14. Anglo-Saxon; 15. Gothic; 16. Germanic philology; 17. German language and literature; 18. Scandinavian languages and literatures; 19. Romance philology; 20. French language and literature; 21. Spanish language and literature; 22. Italian language and literature; 23. Hebrew; 24. Arabic; 25. Assyrian; 26. Syriac; 27. Ethiopic; 28. Semitic epigraphy; 29. Turkish; 30. Armenian; 31. Chinese; 32. Coptic; 33. Celtic; 34. comparative religion.

A candidate for the degree of Master of Arts or Doctor of Philosophy may, with the consent of the Dean of the Faculty, of the heads of the departments concerned, and of the professor in charge of his major subject, select both minor subjects within the same department, and may divide a minor subject, taking parts of two subjects germane to his major subject.

Under the Faculty of Pure Science

1. Anatomy; 2. astronomy; 3. bacteriology; 4. botany; 5. chemistry; 6. civil and sanitary engineering; 7. electrical engineering; 8 geodesy; 9. geology; 10. mathematics; 11. mechanical engineering; 12. mechanics and electro-mechanics; 13. metallurgy; 14. mineralogy; 15. mining; 16. palæontology; 17. physics; 18. physiological chemistry; 19. physiology; 20. zoölogy.

No two of the subjects selected may be in any one department, unless by previous consent of the Faculty. A minor subject may be taken in the same department as the major, but no two minors may be taken in the same department, unless the consent of the Faculty shall have first been obtained.

5. Each student is given a registration-book, which shall be signed by the professor or instructor in charge of each course of instruction or investigation at the beginning and end of the course. Before presenting himself for examination for any degree, the student shall submit his registration-book to the Dean of the Faculty in which his major

subject lies in order that the Dean may satisfy himself that the required minimum number of courses has been attended.

6. (*a*) Students desiring to be examined for the degree of Master of Arts, Master of Laws, or Doctor of Philosophy must make application to the Registrar of the University, on blanks provided by the University, on or before April 1 of the academic year in which the examination is desired.

(*b*) The Registrar thereupon shall notify the Deans of the Faculties concerned of the name of each such student, together with the subjects which he offers and the degree for which he is a candidate.

(*c*) The examination shall be held under the authority and direction of the several Deans.

(*d*) The results of such examinations shall be reported as soon as possible to the Registrar, who shall transmit to the Secretary of the University Council the complete record of each successful candidate.

7. Each candidate for the degree of Master of Arts, not later than May 1 of the academic year in which the examination is to take place, shall present an essay on some topic previously approved by the professor in charge of his major subject. The Faculty of Political Science requires this essay to be a paper read during the year before the seminar of which the candidate is a member.

When the essay has been approved, the candidate shall file with the Registrar two legibly written or typewritten copies on firm, strong paper, eleven by eight and a half inches in size with an inner margin of one and a half inches. The title-page shall contain the words: "Submitted in partial fulfilment of the requirements for the Degree of Master of Arts, in the Faculty of ————, Columbia University."

8. Each candidate for the degree of Doctor of Philosophy shall present a dissertation embodying the result of original investigation and research on some topic previously approved by the professor in charge of the major subject. When such dissertation has been approved by the said professor, it shall be printed by the candidate, under the direction of the Dean of the Faculty, and one hundred and fifty copies shall be delivered to the Registrar unless, for reasons of weight, a smaller number be accepted by special action of the University Council. On the title-page of every such dissertation shall be printed the words: "Submitted in partial fulfilment of the requirements for the Degree of Doctor of Philosophy, in the Faculty of ————, Columbia University."

Each dissertation shall contain upon its title-page the full name of the author; the full title of the dissertation; the year of imprint, and, if a reprint, the title, volume, and pagination of the publication from which it was reprinted; and there shall be printed and appended to

each dissertation a statement of the educational institutions that the author has attended, and a list of the degrees and honors conferred upon him, as well as the titles of his previous publications.

All dissertations for the degree of Doctor of Philosophy must be submitted for approval not later than April 1 of the academic year in which examination is desired.

In the Faculty of Political Science, the examination on the major and minor subjects and on languages, but not on the dissertation itself, may be held before the printed dissertation is submitted.

In the Faculties of Philosophy and Pure Science, the dissertation is not required to be printed until after the examination of the candidate.

The Faculty of Pure Science requires the dissertation to be printed in the size and form of the Annals, or the Memoirs, of the New York Academy of Sciences, according to the nature of the subject.

9. No candidate for the degree of Doctor of Philosophy is admitted to examination except on the recommendation of the professor who has approved the topic selected for the dissertation, indorsed by the professors in charge of the major and minor subjects. Every candidate must pass, besides such other examinations as the Faculty in charge of the major subject may require, an oral examination on all three subjects, and must defend the dissertation in the presence of that Faculty, or of so many of its members as may desire or as may be designated to attend.

The general examination for the degree of Doctor of Philosophy will not be confined to the courses which the candidate has attended in Columbia University or elsewhere, nor even to the field covered by such courses. The candidate is expected to show a satisfactory grasp of his major subject as a whole and a general acquaintance with the broader field of knowledge of which this subject forms a part.

The ability to read at sight French and German, to be certified in each case by the Dean of the Faculty concerned, is required by all the Faculties.

In the Faculty of Political Science, the candidate must also show that he is able to read ordinary Latin, unless it shall have been previously certified by the professor, or professors, in charge of the major subject that ability to use this language is not necessary for the proper prosecution of the candidate's researches. On application to the Dean, the candidate may be examined on the required languages one year before presenting himself for the general examination on his major and minor subjects. If no such application be made, he will be examined on the languages in connection with the general examination on these subjects.

In the Faculty of Philosophy, admission as a regular student or as a candidate for the degree of Master of Arts does not admit to candidacy for the degree of Doctor of Philosophy. Only those students are ad-

mitted to candidacy for the degree of Doctor of Philosophy who (1) are recommended for such candidacy by the heads of the departments in which their major and minor subjects of study lie; (2) are certified as to their ability to read French and German by the heads of those departments; (3) are certified as to their ability to read Latin by the head of that department, provided that students whose major subject is psychology, anthropology, or education, shall not be required to meet this test when it is certified by the professor in charge of their major subject that an ability to read Latin is not necessary for the proper prosecution of their researches. The examinations in Latin, French, and German shall be passed at least one academic year before the candidate presents himself for the degree.

10. Students holding the required first degree who are primarily registered in a professional school of Columbia University, or in an allied professional school, may be registered as candidates for the higher degrees in the Faculty of Political Science, the Faculty of Philosophy, or the Faculty of Pure Science. In such a case the candidate must take his major subject under one of these Faculties, and must conform to all its rules as regards examinations, essay, and dissertation; but he may offer, as the equivalent of the two minor subjects, such of his professional courses as may be approved for that purpose by the Dean of the faculty under which the major subject is taken and by the Committee on Higher Degrees.

11. No student shall continue to be a candidate for the degree of Doctor of Philosophy for a longer period than three years from the time he ceases to be in residence, nor for a longer period than six years from the time of his initial registration for a higher degree.

Master of Laws

1. Any student who has satisfactorily completed 94 points including all prescribed work in Columbia College, or in some other college maintaining an equivalent curriculum (every such case of equivalency to be considered on its own merit), shall be entitled to be recommended for the degree of Master of Laws upon certificates from the Faculty of Law and the Faculty of Political Science that he has satisfactorily completed a four-years' course of study under said Faculties.

2. Every candidate for the degree of Master of Laws must elect from the subjects offered by said Faculties courses aggregating, in the four years, fifty-two hours per week, and must pass satisfactory examinations upon the subjects elected; provided that not more than thirty-four hours of work may be elected either in the field of private law, or in that of public law, social ethics, history, and economics.

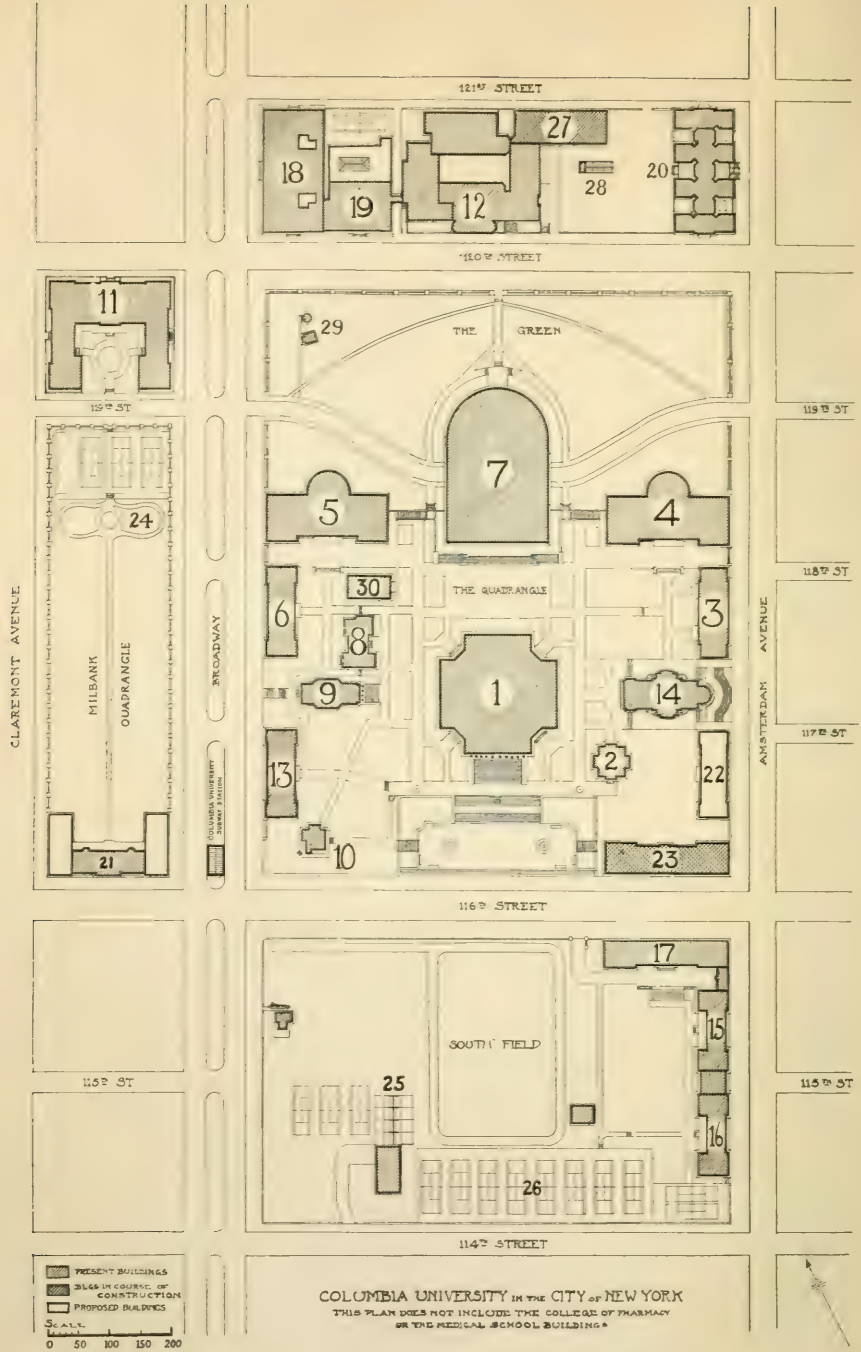
3. Students, otherwise qualified, who have received the degree of Bachelor of Laws from this University after pursuing the full course of study, shall be entitled, upon pursuing for an additional year a course

of study of at least thirteen hours per week, under either or both of said Faculties, and passing satisfactory examinations therein, to receive the degree of Master of Laws; provided that no student shall receive the degree who has not studied and passed satisfactory examinations in comparative constitutional law, administrative law, Roman law, international law, and in the three courses offered on equity,[1] and who has not pursued here, or elsewhere, courses of instruction satisfactory to the Faculty of Political Science in history, social ethics, and economics.

4. Each Faculty shall determine the order in which the subjects offered by it shall be taken, and the maximum amount of work to be done therein during any one year.

5. Students from other universities, colleges, or law schools, who shall have satisfactorily completed a course of study equivalent to at least one term of thirteen hours per week in the subjects indicated in Section 2, after receiving a bachelor's degree, may be excused from the corresponding number of terms of the four-years' residence required at Columbia, provided that in no case shall any one receive the degree of Master of Laws who has not spent at least four years in the study of the said subject in some university, college, or law school; and the decision whether work at another institution shall be accepted as equivalent to work at Columbia shall rest, so far as the studies under the Faculty of Law are concerned, with the Faculty of Law, and, so far as the studies under the Faculty of Political Science are concerned, with the Faculty of Political Science. But neither Faculty shall admit a student from another university, college, or law school to examination for the degree of Master of Laws without a residence of at least one year in this University.

[1] Under this provision students would be allowed, but not required, to take history of European law, conflicts of law, law of municipal corporations, and the law of taxation.



1. Library
2. East
3. Fayerweather
4. Schermerhorn
5. Havemeyer
6. Engineering
7. University
8. West
9. Earl
10. Faculty Club
11. Barnard College
12. Teachers College
13. Mines
14. St. Paul's Chapel
15. Hartley
16. Livingston
17. Hamilton
18. Horace Mann School
19. Physical Education
20. Women's Dormitory
21. Brooks
22. Journalism
23. Kent
24. Women's Recreation Ground
25. Hand-Ball Courts
26. Tennis Courts
27. Domestic Economy
28. Peabody Greenhouse
29. Observatories
30. Model House

COLUMBIA COLLEGE

Officers of the Faculty

Ex-Officio Members of the University Council

J. H. Van Amringe, Ph.D., L.H.D., LL.D.....*Dean*
Henry Bedinger Mitchell, E.E., A.M.....*Secretary*

Standing Committees

On the Program of Studies: The Dean, *chairman*, Professors Peck, Cohn, Kemp, Hallock, Lord, Hervey.

On Admissions: Professors Hervey, *chairman*, Mitchell, Tufts.

On Scholarships: The Dean, *chairman*, Professors Odell, Shotwell.

On Honors: Professors G. R. Carpenter, *chairman*, Seager, Shepherd.

The Faculty

Nicholas Murray Butler, Ph.D., LL.D., (Cantab.) Litt.D. (Oxon.) *President*

TERM EXPIRES		
	J. Howard Van Amringe, Ph.D., L.H.D., LL.D.	*Professor of Mathematics, and Dean*
1908	Edwin R. A. Seligman, Ph.D., LL.D.	*McVickar Professor of Political Economy*
1910	Harry T. Peck, Ph.D., L.H.D., LL.D.	*Anthon Professor of the Latin Language and Literature*
1909	Edward Delavan Perry, Ph.D., LL.D.	*Jay Professor of Greek*
1908	William A. Dunning, Ph.D., LL.D.	*Lieber Professor of History and Political Philosophy*
1909	Adolphe Cohn, LL.B., A.M.	*Professor of the Romance Languages and Literatures*
1909	James F. Kemp, E.M., Sc.D.	*Professor of Geology*
1908	William Hallock, Ph.D.	*Professor of Physics*
1910	George R. Carpenter, D.C.L.	*Professor of Rhetoric and English Composition*
1909	James C. Egbert, Ph.D.	*Professor of Latin*
1909	Calvin Thomas, LL.D.	*Gebhard Professor of the Germanic Languages and Literatures*
1910	James Hulme Canfield, LL.D., Litt.D. (Oxon.)	*Librarian of the University*
1909	Herbert Gardiner Lord, A.M.	*Professor of Philosophy*

TERM EXPIRES		
1908	Nelson Glenn McCrea, Ph.D.	*Professor of Latin*
1910	Clarence H. Young, Ph.D.	*Professor of Greek*
1909	Livingston Farrand, A.M., M.D.	*Professor of Anthropology*
1910	James Maclay, C. E., Ph.D	*Professor of Mathematics*
1908	Marston T. Bogert, Ph.B.	*Professor of Organic Chemistry*
1909	George Clinton Densmore Odell, Ph.D.	*Professor of English*
1910	Henry Rogers Seager, Ph.D.	*Professor of Political Economy*
1910	Frederick J. E. Woodbridge, A.M., LL.D.	*Johnsonian Professor of Philosophy*
1909	Gary N. Calkins, Ph.D.	*Professor of Protozoölogy*
1908	Cassius Jackson Keyser, Ph.D.	*Adrain Professor of Mathematics*
1908	George L. Meylan, A.M., M.D.	*Adjunct Professor of Physical Education*
1909	William Addison Hervey, A.M.	*Adjunct Professor of the Germanic Languages and Literatures*
1909	Rudolf Tombo, Jr., Ph.D.	*Adjunct Professor of the Germanic Languages and Literatures*
1910	William R. Shepherd, Ph.D.	*Adjunct Professor of History*
1910	Frank L. Tufts, Ph.D.	*Adjunct Professor of Physics*
1908	James T. Shotwell, Ph.D.	*Adjunct Professor of History*
1910	George W. Botsford, Ph.D.	*Adjunct Professor of History*
1910	Robert S. Woodworth, Ph.D.	*Adjunct Professor of Psychology*
1908	Henry B. Mitchell, A.M.	*Adjunct Professor of Mathematics*
1908	Curtis Hidden Page, Ph.D.	*Adjunct Professor of the Romance Languages and Literatures*
1908	Daniel Jordan, B.S., Pd.B.	*Adjunct Professor of the Romance Languages and Literatures*
1908	James Howard McGregor, Ph.D.	*Adjunct Professor of Zoölogy*
1908	Charles A. Beard, Ph.D.	*Adjunct Professor of Politics*
1909	Carlton Clarence Curtis, Ph.D.	*Instructor in Botany*
1909	S. Alfred Mitchell, Ph.D.	*Instructor in Astronomy*

ADMISSION

Candidates are admitted by the Committee on Admissions under the following regulations:

Except for reasons of weight, candidates for admission to the Freshman class must be at least fifteen years of age at the time of matriculation, and correspondingly older for admission to advanced standing. Each candidate must before admission present a certificate of good moral character from his last teacher or from some citizen of good standing. Students from other colleges or universities must bring certificates of honorable dismission.

All requests for information regarding admission should be addressed to the Secretary of the University.

To the Freshman Class

Every candidate must offer at the entrance examinations (see below) subjects amounting to fifteen "points." The point here represents the number of years, at the rate of five periods a week, which will normally be required in the secondary school to prepare adequately for the college examination.

The candidate *must* offer

	COUNTING IN POINTS
English	3
Elementary Mathematics	3
and in the case of candidates for the A.B. degree	
Elementary Latin	4
or, *beginning June, 1908*, in the case of candidates for B.S. degree *either* Elementary Latin	4
or Chemistry	1
or Elementary Physics	1
or Intermediate or Advanced subjects	2

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering either at the same time or earlier the corresponding elementary subject:

Elementary Greek	3
Elementary History	2
Drawing	1
Music	1
Intermediate French	1
Intermediate German	1
Advanced English	1
Advanced Greek	1
Advanced History	1
Advanced Latin	1
Advanced Mathematics	1
Advanced Physics	1
and in the case of candidates for the B.S. degree	
Elementary Latin (See note, page 161)	4 or 2

The candidate may offer not more than 4 points in all from the four subjects following:

Elementary French	2
Elementary German	2
Italian	2
Spanish	2

The candidate may offer not more than 3 points in all from the six subjects following:

Elementary Physics	1

	COUNTING IN POINTS
Chemistry	1
Botany	1
Physiography	1
Shopwork	1
Zoölogy	1

For full definition of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see page 154.

Acceptance of Certificates

Columbia College accepts, in lieu of its entrance examinations, no credentials of any sort except the Regents' Academic Diploma, the Regents' Collegiate Entrance Diploma (for details see the *Announcement of Columbia College*), and the certificates of approved colleges, and these only for the subjects which they specifically cover. Certificates of the preparatory or high-school departments of universities and colleges are not accepted.

Candidates must take the regular entrance examinations in the subjects in which their certificates are not deemed adequate.

All certificates so offered must be received by the College Committee on Admissions at least one week before the first day of the entrance examinations.

To Advanced Standing

Candidates for admission to advanced standing upon the basis of certificates from other colleges must fill out the appropriate application blank, to be obtained from the Secretary of the University, and file it with the Committee on Admissions one week before the first day of the September or January entrance examinations. Each candidate must also present, at that time, an official transcript of his academic record, together with a marked catalogue of the institution that he leaves.

Candidates for admission to the Freshman class offering for entrance more than the required 15 points receive credit for this extra work toward a degree, on a basis to be determined by the Committee on Admissions; but not more than 18 of the 124 points required for a degree may be made in this way.

To Special Courses

Special courses are offered to young men of good character, at least eighteen years of age, who wish without reference to any degree to make a serious study of any subject or group of subjects. Such men are designated "non-matriculated students," and are expected to fulfil the requirements for admission to the Freshman class (see page

172). Applications must be made, on blanks to be obtained from the Secretary of the University, at least one week before the entrance examinations begin.

Except for reasons of weight no one will be admitted as a special student, who, within ten months of the time of his application, has been refused admission, or has failed in his work, as a candidate for a degree.

Persons who wish to pursue merely elementary subjects, such as may be offered for admission, are not received as non-matriculated students.

Applications from men of maturity who have been several years out of school or college, and have had a valuable educative experience in practical life, will be considered on their merits.

On Probation

Every Freshman admitted conditionally will be held under probation during the first half-year of residence. Not later than the end of this period, the Dean, on the basis of reports from the head of each department in which the student is registered, will decide whether he shall be admitted to full standing, have his period of probation extended, or be dropped from the roll. The mark C, B, or A, obtained in any subject at the end of the first half-year of residence, will be regarded as removing an entrance condition in that subject, unless the condition was incurred in a part of the subject not directly involved in the work of the college course. Any condition not so removed must be satisfied by formal examination.

Registration and Fees

(See page 26)

Scholarships

(See p. 398.)

THE PROGRAM OF STUDIES

The time within which a curriculum, leading to the degree of Bachelor of Arts or Bachelor of Science, may be completed varies with the capability and industry of the individual student. In most cases, perhaps, four years will be spent in making the required number of points; students of ability and industry may complete the course in three years, or conceivably in even less time, especially if advantage be taken of courses in the Summer Session, or additional credit be gained by high standing; but no student may spend more than six years as a candidate for a degree.

The principles of the program of studies are as follows:

1. The requirement for graduation is 124 points, the term "point" signifying the satisfactory completion of work requiring attendance one hour a week for one half-year.

2. Studies are either "prescribed," *i. e.*, obligatory upon all candidates for degrees; or "elective," *i. e.*, to be taken (with certain restrictions) at the pleasure of the student.

3. Prescribed studies must be taken as far as practicable during the first two years of residence; and subjects taken in College which are continuations of subjects offered at entrance must be taken as far as possible in the first year.

4. Other courses than those specified under each half-year may be taken by students qualified to pursue them with advantage, but only with the consent of the Dean.

5. No combination of courses amounting to less than 12 or more than 19 points may be made in any half-year without the consent of the Dean.

6. At least 9 points, exclusive of prescribed work, must be made under some one department before graduation.

7. Admission to courses depends strictly upon completion of the prerequisites as stated for each course separately. In all cases the requirements as to prerequisites for any course must be completed before the beginning of the half-year in which that course is given. Where no prerequisite is stated the course may be taken and counted for a degree by any student of the College.

8. Attention is called to the regulation that courses numbered above 100 are open to those students only who have completed 64 points in college residence, including all prescribed work, except Philosophy A and two half-year courses in Science.

9. To be recommended for a degree, a student must have made at least 84 points in actual college residence, and of these at least 24 in Columbia College. (The Faculty has power to suspend this rule in individual cases; but a Statute of the University forbids the granting of a degree to any person who has not been a member of the University for a full academic year, *i. e.*, two half-years.)

Prescribed Courses

Unless the equivalents have been offered for admission, the following courses are prescribed:

	COUNTING IN POINTS
English **A** and **B**	10
French **A** and **B**, *or* German **A** and **B**	12
History **A**[1]	6

[1] Students who pass the entrance examinations in ancient, mediæval, and modern history will be allowed to take a special examination on the same periods based on the requirements of History A1–A2. If they satisfy this test, they will be permitted

	COUNTING IN POINTS
Latin **A** *or* Greek 3–4 (required only of candidates for A.B. degree)	6
Mathematics **A**	6
Philosophy **A**	6
Physical Education **A** and **B**	4
Natural Science **A** (elementary Chemistry and elementary Physics)	8
Botany, Chemistry, Geology, Physics, Psychology (Experimental), *or* Zoölogy: two half-year courses (required only of candidates for A.B. degree)	6
Anthropology, Astronomy, Botany, Chemistry, Geology (including Mineralogy), Mathematics, Mechanics, Physics, Psychology, or Zoölogy: four half-year courses in one or more of these subjects, in all (required only of candidates for B.S. degree)	12

Options in the Professional Schools

The following provisions apply alike to all candidates for a degree: When 72 points (including all prescribed work) have been made in Columbia College, a student who wishes to enter upon his professional studies before graduation from the College may exercise one of the following options:

(*a*) He may take the studies of the first year of the Schools of Mines, Engineering, and Chemistry (unless he is able to gain advanced standing in one of those schools), provided the courses previously taken by him fulfil the requirements for admission to those schools; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.

(*b*) He may take the studies of the First Year of the College of Physicians and Surgeons, provided he has previously taken in college at least one course in Chemistry, one in Physics, and one in Zoölogy; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in this professional course.

(*c*) He may take the studies of the First Year of the professional course of Teachers College; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in this professional course.

(*d*) He may take the studies of the First Year in the School of Fine Arts, provided the courses previously taken by him fulfil the requirements for admission to that school; and may receive the

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to substitute for History A1–A2, as the prescribed work, any course in history numbered less than 100, provided that the total number of points of credit attached to the course be not less than six.

degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.

When 94 points (including all prescribed work) have been made, and of these not less than 72 in Columbia College, the student may take the studies of the First Year of the School of Law; and may receive the degree of A.B. or B.S. upon the satisfactory completion of one year's work in this professional course.

The professional schools of the University strongly recommend students to take advantage of the opportunity here given for preliminary training. For particulars as to these several options the announcement of the proper professional school should be consulted.

A student who exercises any one of the options here mentioned continues to be a student of Columbia College and subject to the authority of its Dean, as long as he remains a candidate for the College degree.

Additional Credit for High Standing

At the end of every half-year additional credit for high standing is given as follows:

The mark A in any two courses (no course being counted twice) entitles the student to one point of extra credit, provided he has not fallen below the mark B in any of the courses pursued by him during the half-year.

Any student who is credited with 94 points (including all prescribed work) may receive one point of extra credit for each of two courses chosen from among those offered by any single department as counting toward a higher degree (see page 164), provided the quality of his work in such course be tested by an essay for which a mark of A or B is given, in addition to the stated examinations. No student may receive more than one point of extra credit in one half-year under the terms of this rule.

The Announcement of Columbia College gives specific examples of the operations of these regulations.

Choice of Electives

For recommendations in regard to the choice of elective studies, the reader is referred to the *Announcement of Columbia College* for 1907–08.

Examinations in Course

Two examinations are held every year in all courses, one beginning on the last Wednesday but one of the first half-year (January 22, 1908), and the other either on the Monday of the second week preceding Commencement for candidates for graduation (May 11, 1908), or for other students of the college on the Thursday after Commencement (May 27, 1908). These, and these only, are the *stated examinations*.

No student who has been absent from more than ten per cent. of the exercises in any course during a single half-year is entitled to attend the stated examination in that course. Each instance of tardiness is counted as half an absence.

Should a student not exceed the limit of absence allowed, no explanation of any of his absences is required: should he exceed the limit allowed in any course, he is debarred from the stated examination in that course, and can attend it only by consent of the Dean, given after written explanation to him of every absence.

Every student is expected and required to keep an account of his absences, and any satisfactory explanation of them must be from records made at the times of their occurrence, and for dates noted by the student himself and not obtained by him from the instructor in charge.

For the regulations as to the taking of special examinations, which include delinquent examinations, see the separately printed *Announcement of Columbia College* for 1907–08.

Grades and Credit

A student who receives a mark of F in any prescribed course must repeat that course; in any course not prescribed he may present himself for re-examination at the stated time but on passing such examination he may receive only a mark of D. In either case, however, if the mark of F was given by reason of absence from examination resulting from illness or other unavoidable cause, he may be examined by permission of the Dean and marked as though he had attended the regular examination.

In any half-year not more than one course, whether prescribed or elective, in which the student is marked D, may be counted toward a degree. Of several courses in which he is marked D he may choose the one to be so counted.

HONORS

Honors are of three kinds: departmental, divisional, and general.

Departmental honors will be granted in any year in any department for high excellence, indicated by the grade A obtained in courses aggregating at least twelve points, and by the satisfactory performance of additional assigned work. Students must announce their candidacy to the head of the department not later than the first of April of the year of candidacy.

Departmental

Except by special decision of the Committee on Honors, no student falling below C in any course taken by him during the year of candidacy will receive honors.

A student who has won honors in any department successively

during the last three years of his college residence will be granted at graduation highest final honors in that department.

On completion of the number of points required for a degree students whose curriculum has been under the direction of some one division may be recommended to the Faculty by that division for final honors in such subjects as the division may specify.

General

General honors will be granted at the end of every academic year to all students who during that year have obtained grade A in the majority of the courses taken by them, provided they have not fallen below grade B in any course in that year.

Highest final general honors will be granted at graduation to all students who have obtained grade A in the majority of the courses taken by them during the last three years of college residence, provided they have not fallen below grade B in any course in those years.

REGISTER OF STUDENTS

Columbia College

CANDIDATES FOR GRADUATION IN

1908

ALEXANDER, TOM MACKENZIE.....New York City
BAGLEY, GEORGE JARDINE.....Rahway, N. J.
BAGNELL, ROBERT HAROLD.....New York City
BANKS, HAROLD PURDY.....New York City
BERLINER, LEE HERBERT.....New York City
BESSIE, ABRAHAM.....Wahpeton, N. D.
BIJUR, HARRY.....New York City
BILLINGSLEY, PAUL.....New York City
BLOOM, IRVING MORTIMER.....New York City
BLOOM, ISIDORE.....Toronto, Ontario, Can.
BONNLANDER, VINCENT CHARLES.....New York City
BOORMAN, KITCHELL MONCKTON.....New York City
BORCHARDT, EDWIN MONTEFIORE, LL.B., N. Y. Law School, 1905.....New York City
BRADY, WILLIAM GAGE, JR.....New York City
BRAININ, CLEMENT S.....New York City
BRANDLEY, WALTER GEORGE.....Newark, N. J.
BRIDGMAN, LINDEN WENTZEL.....New York City
BRILL, ABRAHAM.....New York City
BRONSON, BARNARD SAWYER.....Holly, N. Y.
BULL, GEORGE H.....New York City
BURKHALTER, FRANK E.....Waco, Texas
CASSETTA, DOMINICK.....New York City
CELLA, CARLO DOMENICO.....Hoboken, N. J.
CHENEY, CLARENCE ORION.....New York City
COHN, MICHAEL MARTIN.....Buffalo, N. Y.
COMSTOCK, MILES CHESTER.....Utica, N. Y.
CONRIED, RICHARD GÉNÉE.....New York City
COWEN, ARTHUR.....New York City
CRANE, THEODORE HUBERT.....Yonkers, N. Y.
CUTTING, VICTOR WILLARD.....New York City
DAVIS, BENNETT.....Buffalo, N. Y.
DEMAREST, IRVING COMES.....Hackensack, N. J.
DONOHUE, JAMES HENRY, JR.....New York City
EASTMAN, WILLIAM.....Roslyn, N. Y.
EPSTEIN, MAURICE.....New York City
FINE, GEORGE BRUCE.....Arlington, N. J.
FISH, HARRY POTTER.....New York City
FOWLER, HAROLD.....New York City
GILBERT, GEORGE FREDERICK.....Marshfield, Mo.
GOLDBLATT, HAROLD MILTON.....New York City
GOODKIND, MORRIS.....New York City
GOODMAN, EDWARD.....New York City
GRIFFIN, ERNEST FREELAND.....Tarrytown, N. Y.

Grossman, Jacob B.	Weissport, Pa.
Guggenheim, Edmond A.	New York City
Hagemann, Robert Herman, Jr.	New York City
Harlam, Elwood Julius.	New York City
Hauser, John Odell.	New York City
Herrmann, Alfred.	New York City
Herts, B. Russell.	New York City
Hess, Mortimer Henry.	New York City
Higgins, Fremont Amasa.	New York City
Hollister Samuel Thomson.	New York City
Holtzoff, Alexander.	New York City
Hoyt, Nathaniel Stanislaus.	New York City
Jacques, George Washington, Jr.	Elizabeth, N. J.
Kellogg, William Alvin, Jr.	New York City
Kilmer, Alfred Joyce.	New Brunswick, N. J.
Kiser, Frederic Garrabrant.	Brookside, N. J.
Lau, Robert Frederick.	New York City
Lewis, Leicester Crosby.	New York City
Lobeck, Albert Ernst.	Haworth, N. J.
Mabee, Winfred Scribner.	Paterson, N. J.
MacGreevy, William John.	New York City
Marshall, Robert Palmer.	New York City
Miller, Hyman Rudolph.	New York City
Mockbridge, Ralph Whitney.	New York City
Montgomery, Austin Philip.	New York City
Murphy, William Deacon.	New York City
Murray, Theodore Roosevelt.	New York City
Nash, Royal Freeman.	Grand Rapids, Wis.
Negus, John Clement.	New York City
O'Mahoney, Joseph Christopher.	New York City
Osterout, William Burgess.	Freeport, N. Y.
Otis, Arthur Hamilton.	Tivoli, N. Y.
Palmer, Harold.	New York City
Perling, Joseph.	New York City
Perrine, Harold.	New York City
Poll, Daniel.	New York City
Porter, Edward Evelyn.	New York City
Prince, James Frederick.	Yonkers, N. Y.
Reaney, George Humes.	New York City
Reed, Latham Ralston.	New York City
Riegel, Harry.	New York City
Rindge, Fred Hamilton, Jr.	New York City
Robie, Marshall.	Oradell, N. J.
Romagna, Anthony Jesse.	New York City
Rose, Walter Joseph.	New York City
Rothschild, Marcus A.	New York City
Rouse, Edward Curtis.	East Orange, N. J.
Sessa, Thomas Galtan.	Montclair, N. J.
Shimmon, Aghasie Samuel.	Gogtapa, Persia
Skutch, Ira.	New York City
Sloane, John Eyre.	South Orange, N. J.
Snevily, Henry Mansfield.	New York City
Stayton, Jacob Winford.	Yonkers, N. Y.
Swartwout, Frank Robert.	Scarsdale, N. Y.
Swords, Albert Twombly.	New York City
Townsend, Edward Benjamin.	New York City
Van Tine, Addison Allen.	New York City

WARE, FOSTER ..... New York City
WEAVER, PAUL ..... New York City
WHEELER, JOHN NEVILLE ..... Yonkers, N. Y.
WINCHELL, CLARENCE EDWARD ..... West Orange, N. J.
WINDELS, PAUL WILLIAM HENRY ..... New York City
WOLFERZ, LOUIS ERNST ..... New York City
WOOD, JAMES MACDONALD, JR ..... New York City
WOOD, WILLIAM LAWRENCE ..... Ipswich, Mass.
WOODBURY, WALTER BLIGH ..... Oneida, N. Y.
WUPPERMAN, CARLOS SIEGERT ..... New York City
ZACCARA, ANTONIO ..... New York City

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ALEXANDER, ARTHUR DOUGLAS ..... New York City
ALEXANDER, THOMAS ..... Kirksville, Mo.
ALLERMAN, JACOB ..... New York City
AMIDOW, DAVID EUGENE ..... Corry, Pa.
APPEL, ALEXANDER ..... New York City
ARMSTRONG, DONALD ..... New York City
BACH, RICHARD FRANK ..... New York City
BARAGWANATH, JOHN GORDON ..... New York City
BARBER, W. HOWARD ..... New York City
BARTOW, LATHROP ..... New York City
BAUM, ALBERT LOUIS ..... New York City
BISHOP, FRANK WARNER ..... New York City
BISSELL, PELHAM ST. GEORGE, JR ..... Freeport, N. Y.
BLINN, OSCAR SAMUEL ..... New York City
BRAINERD, HARRY BEARDSLEE ..... New York City
BRECK, WILLIAM ROGERS ..... New York City
BREITENFELD, EMIL ..... New York City
BROWN, LOUIS ALEXANDER ..... New York City
BROWN, WILLIAM HORI, JR ..... New York City
CANE, WILLIAM GOODMAN ..... New York City
CARPENTER, RHYS ..... New York City
CARROLL, CHARLES RIVERS ..... New York City
CHANALIS, MICHAEL NELSON ..... New York City
CHILD, ANDREW M., JR ..... New York City
COBB, JAMES LIVINGSTON ..... New York City
COHEN, HYMAN ..... New York City
COHEN, IRA ..... New York City
COHN-MCMASTER, ALBERT MARIAN ..... New York City
COLEMAN, MCALLISTER ..... New York City
COMPTON, GEORGE BROKAW ..... Interlaken, N. Y.
COPELAND, RALPH ..... New York City
CORBETT, JOSEPH SIEBERT ..... New York City
CRIADO, ROGER FERNANDEZ ..... New York City
CULMAN, CARL WILLIAM ..... New York City
DEACY, WILLIAM HENRY ..... Ossining, N. Y.
DROB, MAX ..... Pittsburg, Pa.
DWYER, CHARLES EUSTACE ..... New York City
EPSTEIN, LEWIS ..... New York City
FORTINASH, PASCAL JOSEPH ..... New York City
FOWLER, ROBERT LUDLOW, JR ..... New York City
FOX, IRVING JOSEPH ..... New York City
FRASER, LEON ..... New York City

Gibson, Leon Wells	Newark, N. J.
Golden, Herman	New York City
Goldstein, Roy A.	Dallas, Texas
Goodwin, George Munro	New York City
Grant, Edward John	New York City
Gray, James Eakins	New York City
Griffin, Percy Frank	New York City
Gutman, Melvin	New York City
Halsey, Raymond Drake	Southampton, N. Y.
Hanrahan, John George, Jr.	New York City
Hanson, George Christopher	New York City
Harson, Henry Newman	New York City
Heidelberger, Michael	New York City
Hershenstein, Charles	Jersey City, N. J.
Herts, Harold Henry	London, England
Hinck, Claus F., Jr.	Montclair, N. J.
Hopping, Howard Hitchcock	New York City
Jones, Clarence Ray	Norway, N. Y.
Kantor, John Leonard	New York City
Katz, Edgar Jesse	New York City
Kayser, Carl Eberhard	New York City
Kelly, Eugene Edmund	New York City
Kennedy, Charles Frederick	New York City
Kerley, James Hoyt	New York City
Kimbel, William Anthony	New York City
Kistler, Lloyd Gregory	New York City
Koo, Vi Kyuin Wellington	Shanghai, China
Kudlich, Bruno Ralph	New York City
Latham, Harold Strong	Arlington, N. J.
Leary, Daniel, Jr.	New York City
Lee, Arthur M., Jr.	Bloomfield, N. J.
Levine, Oscar	New York City
Levinthal, Israel Herbert	Philadelphia, Pa.
Liebowitz, Sidney	New York City
Lippmann, Herbert Marks	New York City
Loder, George Edward	Port Chester, N. Y.
Loening, Grover Cleveland	New York City
Loveman, Michael Heilprin	New York City
Luhrs, Immanuel	Jersey City, N. J.
McCoun, Frederic Hewlett, Jr.	New York City
McLaury, Frank	South Kortryht, N. Y.
Mackenzie, James Cameron, Jr.	Dobbs Ferry, N. Y.
Marcus, Charles Lionel	New York City
Mead, Frederick Stearns, Jr.	Arlington, Mass.
Mehler, Leo	New York City
Melitzer, Samuel	New York City
Melville, John Ward	Setauket, N. Y.
Milkman, Walter Bernard	New York City
Miller, Christopher Blackburn	New York City
Morgan, Thomas Charles	New York City
Morgan, Wendell Roderick	Oneonta, N. Y.
Moss, Arthur Bruce	New York City
Nammack, Charles Halpin	New York City
Nighman, Clare Edwin	Bayonne, N. J.
Norden, Norris Lindsay	New York City
Nye, Berthold Hintz	Yonkers, N. Y.
Oakley, Thomas Pollock	Northport, N. Y.

Ogden, Alfred.....New York City
Paul, Winston Alexander.....Jersey City, N. J.
Pell, William Henry Dannat.....New York City
Peyser, Herbert.....New York City
Price, Hickman.....Seattle, Wash.
Reichling, Gerard Alston.....New York City
Rice, Marvin.....New York City
Rogers, Gaillard Sherburne.....New York City
Rollins, Walter Everett.....Minneapolis, Minn.
Roome, James Poole.....New York City
Rothschild, Leopold Opper.....New York City
Roux, William Charles.....New York City
Roy, Malcolm Miller.....Irvington-on-Hudson, N. Y.
Sage, Truman Bartlett.....East Haven, Conn.
Salsbury, Nathan.....Long Branch, N. J.
Salzano, Francis.....New York City
San, Louis James.....Passaic, N. J.
Sanders, Benton.....New York City
Schaul, Jerome Sandel.....New York City
Scheffer, Jack Walter.....New York City
Schermerhorn, Amos Cotting.....New York City
Schmid, Alfred R.....New York City
Schultz, Harold Seely.....Florida, N. Y.
Scovil, Charles Barker.....New York City
Sellew, Welles Hamilton.....New York City
Setchanove, Radoslav John.....Philipoppolis, Bulgaria
Skinner, Herbert Calvin.....New York City
Smith, Martin De Forest.....Kingston, N. Y.
Steiner, Joseph.....Newark, N. J.
Steinmetz, Frederick Charles.....New York City
Stephenson, Robert.....New York City
Streeter, Daniel Denison, Jr.....New York City
Taylor, Harold Williams.....Beverly, N. J.
Tortora, Albert.....New York City
Tripp, William Arthur.....New York City
Turpin, Albert Ernest.....New York City
Tuthill, Burnet Corwin.....New York City
Wardell, Winfield Scott, Jr.....Orange, N. J.
Watson, Morgan Dix.....New York City
Weeks, Webb W.....Corry, Pa.
Weinstein, David.....New York City
Werner, Oscar Victor.....New York City

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Adlman, Sidney.....Paterson, N. J.
Aschner, Paul William.....New York City
Avery, Walter.....New York City
Bangs, Francis Nathan.....New York City
Barnum, Ray Foster.....White Plains, N. Y.
Baroff, Abraham.....New York City
Barrett, Guinn H.....New York City
Barrett, Paul Sydney.....New York City
Batt, Raymond Michael.....North Tonawanda, N. Y.
Beard, James Thom., Jr.....Scranton, Pa.
Belinkoff, Samuel.....Bayonne, N. J.
Bell, Wilby Alexander, Jr.....New York City

Berge, Frederick O. ..... Kansas City, Mo.
Berinstein, Benjamin ..... Rochester, N. Y.
Blaber, Joseph Thomas ..... New York City
Brenner, Mortimer ..... New York City
Brittain, John Benjamin ..... Yonkers, N. Y.
Brown, Raymond Shiland ..... Jersey City, N. J.
Buckisch, Walter Gerard Martin ..... New York City
Cardozo, Sidney Benjamin ..... New York City
Celler, Emanuel ..... New York City
Chapin, James Paul ..... New York City
Clark, Clarence Milton ..... New York City
Cohen, Joseph Hertz ..... New York City
Cohen, Samuel Meyer ..... New York City
Cohn, Bernard Lamar ..... Memphis, Tenn.
Cooper, Frederick Sturges ..... Mt. Vernon, O.
Corrig, Frank J. ..... Lima, Ohio
Corton, William Andrew ..... New York City
Cronyn, George W. ..... New York City
Crouze, Albert Pierre ..... New York City
Cutler, Condict Walter, Jr. ..... New York City
Danforth, Charles Ryle ..... New York City
Darlington, Henry Vane Bearns ..... Harrisburg, Pa.
Davinos, Harry ..... Harrison, N. J.
Deevey, Edward S. ..... Albany, N. Y.
Doremus, Morton Brinckerhoff ..... Mt. Vernon, N. Y.
Duncan, McKee ..... Pelham Manor, N. Y.
Eadie, Archibald Robert ..... New York City
Elsasser, Frederick Ralph ..... New York City
Englehart, Jeffrey Heller ..... New York City
Epstein, Albert ..... New York City
Epstein, Bernard ..... New York City
Erskine, Robert Scarborough ..... New York City
Fairbairn, Robert Le Fevre ..... New York City
Ferst, Louis Samuel ..... Harrisburg, Pa.
Finley, Cecil Johnston ..... New York City
Fleischman, Loen S. ..... New York City
Force, Jonathan, Jr. ..... Livingston, N. J.
Frerichs, Ernest Vivian ..... New York City
Gannon, Thomas Albert ..... New York City
Garabedia, Mikael Der ..... New York City
de Garmendia, Gonzalo de Cordova ..... New York City
Gibson, Van Rensselaer ..... Yonkers, N. Y.
Giegerich, Arthur N. ..... New York City
Giegerich, Leonard Anthony ..... New York City
Gluck, Harry J. ..... New York City
Goldberg, George ..... New York City
Goodman, Sydney Lion ..... New York City
Gulliver, Harold George ..... Portland, Me.
Gunther, Arthur ..... New York City
Haines, Franklin Mifflin ..... New York City
Hart, Neville Bradford ..... New York City
Healy, Thomas Francis ..... New York City
Heard, Walter Scott ..... New Orleans, La.
Henderson, Harold Gould, Jr. ..... New York City
Hill, Dudleigh ..... New York City
Hinman, Edward, Jr. ..... New York City
Hochberger, Oscar ..... New York City

HOLZWORTH, JOHN MICHELL.....Cleveland, Ohio
HUNT, CHARLES WARREN, JR.....New York City
HÜTTLINGER, CARL FRITZ.....New York City
JOERG, ALFRED NORTON.....New York City
JONES, JOHN DOTHA.....New York City
KEATING, WILLIAM EDWIN.....Dallas, Texas
KIENDL, THEODORE, JR.....New York City
KIRBY, RUSSELL THORP.....New York City
KLEIN, LEONARD.....New York City
KLEIN, LEOPOLD.....New York City
KLEPETKO, ERNEST.....New York City
KOHLER, F. DUDLEY.....New York City
KRAFT, PHILIP HENRY, JR.....New York City
KROEGER, HERBERT BENJAMIN.....New York City
KRONMAN, DAVID EDWARD.....New York City
LANGER, WILLIAM.....Casselton, N. D.
LAPOLLA, GARIBALDI MARIO.....New York City
LEVISON, LUCIAN HARRY.....New York City
LIEBMAN, LESTER MYRON.....New York City
LLOYD, LLEWELLYN.....New York City
LOURIA, ALEXANDER LEON.....New York City
MACCOLL, ROBERT JOHN.....New York City
MCDERMOTT, ARTHUR VINCENT.....New York City
MCKENNEY, WILLIAM JAMES.....New York City
MAHON, ROBERT V.....New York City
MARILLEY, EDWARD PATRICK.....Croghan, N. Y.
MELLEN, HENRY L.....Middlebury, Vt.
MEYER, ADOLPH HENRY.....New York City
MOITRIER, WILLIAM, JR.....New York City
MOLTER, HAROLD.....New York City
MORRIS, ALEXANDER BECHT.....New York City
MOSES, ALFRED STAUNTON.....New York City
MOSES, EUGENE FREDERIC.....New York City
MULLEN, JAMES HENRY.....Rensselaer, N. Y.
MURRAY, HARRISON FREELING.....Narrowsburg, N. Y.
MURRAY, JOHN ALEXANDER, JR.....New York City
NAUHEIM, MELVILLE.....New York City
NEUMAN, ABRAHAM.....New York City
NOBLE, RANSOM.....New York City
O'BRIEN, JOHN.....New York City
OSBORNE, EARL WILLIAM.....New York City
OSTERHOUT, EDGAR HOWARD.....Freeport, N. Y.
PADDOCK, LINCOLN.....New York City
PADDOCK, ROYCE.....New York City
PEARSON, WILLIAM DEFOREST.....Waterloo, N. Y.
PFEIFFER, EDWARD HEYMAN.....New York City
RAMSDELL, CHARLES HOMER.....New York City
RAPP, PAUL LOUIS.....New York City
REED, LUTHER ANDERSON.....New York City
REMSEN, WILLIAM.....New York City
RENTON, STANLEY HARNED.....New York City
RENWICK, HENRY BREVOORT.....New York City
RIMPO, EDWARD WILLIAM.....Irvington, N. J.
RINCK, WALTER.....Newark, N. J.
ROBINSON, LOUIS HARRY.....Curwensville, Pa.
ROCKWOOD, NATHANIEL OTIS.....Montclair, N. J.
ROEDER, RALPH LECLERCQ.....New York City

ROSENTHAL, GEORGE JACOB.....New York City
SCHEIB, RICHARD.....New York City
SCHLOSSMAN, WILLIAM MAYER.....New York City
SCHMELZEL, CLARENCE.....New York City
SCHRENKEISEN, FRANK GILLMAN.....Mamaroneck, N. Y.
SCHUR, ROBERT PAUL.....New York City
SCOTT, GEORGE W. A.....New York City
SELVAGE, NOTMAN.....Newark, N. J.
SEXTON, ANDREW J. GRAHAM.....Orange, N. J.
SEYMOUR, RAYMOND BRANCH.....New York City
SHAW, JAMES MADDOCK.....Orange, N. J.
SHOENFELD, HERBERT FRANK.....New York City
SLOAN, HAROLD STEVENSON.....New York City
SMITH, EDWARD PHILIP.....Buffalo, N. Y.
SMITH, GEDDES.....Orange, N. J.
SOLIS, MARSHALL ERASMUS.....Managua, Nicaragua
STABLEFORD, RICHARD GORDON, JR.....New York City
STEPHENSON, RAYMOND WILLIAMS.....New York City
STERNBERG, EDWARD.....New York City
STERRETT, JAMES EVERETT.....Ossining, N. Y.
STICKLES, LLOYD.....Newark, N. J.
STORY, HAROLD V.....New York City
SULLIVAN, VINCENT FERRER.....New York City
SWANTON, RICHARD L.....New York City
TANNENBAUM, SAMUEL WILLIAM.....New York City
TAYLOR, SAMUEL GUYON.....New York City
THORNTON, THOMAS FRANCIS.....New York City
TODD, HAROLD CAMMEYER.....Fanwood, N. J.
TRUE, ROLAND SCHILLER.....New York City
VAN KLEECK, EUEN.....New York City
WACHNER, EDWIN MILES.....Akron, O.
WARREN, GEORGE HENRY, JR.....New York City
WASHINGTON, HENRY JAMES LAMAR.....New York City
WERNER, PAUL CHARLES.....Long Branch, N. J.
WHIPPS, WILLIAM OSTERHOUT.....Kalispell, Mont.
WILDMAN, HENRY VALENTINE, JR.....New York City
WILE, WALTER DAVID.....New York City
WILLIS, BENJAMIN.....New York City
DE WILTON, ROLLO L.....Hornell, N. Y.
WOLBARST, ELI SAUL.....New York City
YOKEL, ARTHUR.....New York City

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ALTENBERG, EDGAR.....New York City
AMDURSKY, ABRAHAM MAURICE.....New York City
AXMAN, LAURENCE HENRY.....New York City
BAKER, HENRY D.....New York City
BELKNAP, WARD BRODHEAD.....New York City
BENDER, SIDNEY.....New York City
BERENBERG, DAVID PAUL.....New York City
BERKOWITZ, HENRY.....New York City
BIEBER, PAUL DAVID.....New York City
BISHOP, SHELTON HALE.....New York City
BLUMBERG, ISIDOR BERNARD.....New York City
BOAS, ERNST PHILIP.....Grantwood, N. J.
BOWERS, FREDERIC THOMAS.....New York City

Bowman, Kenneth Harkness.....Montclair, N. J.
Bramwell, George Moffat.....New York City
Brandt, Robert Carl.....New York City
Brownell, Max.....Saratoga Springs, N. Y.
Bruno, Alexander.....New York City
Cardoza, Danforth.....New York City
Caruso, Carmine William.....Newark, N. J.
Castell, George Oliver.....New York City
Childs, Sterry Hunt.....New York City
Claiborne, Robert.....New York City
Colton, John Hurstmanceaux.....Yokohama, Japan
Colton, Raymond.....New Rochelle, N. Y.
Covello, Leonard.....New York City
Davidow, Leonard H.....New York City
De Pew, Pierre H.....Nyack, N. Y.
Dorr, William Caspar.....New York City
Downs, Irvin Reed.....New York City
Dwyer, Geoffrey James.....New York City
Eddison, William Barton.....Irvington, N. Y.
Egan, Robert Seton.....New York City
Egbert, George Pennington.....New York City
Eichmann, Meyer.....West Hoboken, N. J.
Eimer, Carl Bernard.....New York City
Ernst, Montrose.....New York City
Felbel, Frank Julius.....New York City
Ferrara, Joseph.....Red Bank, N. J.
Ferreira, Avelino Vincent.....Hackensack, N. J.
Fishel, David Einhorn.....New York City
Frank, Max.....New York City
Frankfort, Nathan Herman.....New York City
Friedman, Israel.....New York City
Fries, Julius Frederick.....New York City
Galvin, William Austin.....New York City
Gans, Leonard S.....New York City
Gatch, Nelson Burnes.....St. Louis, Mo.
Gerstein, Samuel.....New York City
Ginsberg, Ismar.....New York City
Goldsmith, Irving Edward.....New York City
Goldstein, Herbert Samuel.....New York City
Gould, Jay.....New York City
Grassi, Waldemar Howard.....New York City
Grossbaum, Louis.....New York City
Haber, Isador.....West Hoboken, N. J.
Hamburger, Perry Julius.....New York City
Handelsman, Samuel.....New York City
Harris, David Benjamin.....New York City
Hartung, Ernest William.....New York City
Hastings, William Henry, Jr.....New York City
Hedges, James Sylvester.....New York City
Heydecker, Wayne Darlington.....Mount Vernon, N. Y.
Hill, John Warren.....New York City
Hillman, John A.....New York City
Holbrook, Newberry.....New York City
Howell, Jesse Vernon.....Devine, Texas
Hudson, Charles Alan.....Westbury, N. Y.
Hyman, Joseph.....New York City
Jenkins, Reginald C.....New York City

KAYSER, ROBERT BARR.....Boston, Mass.
KETCHUM, ROLAND S.....New York City
KLUGESCHEID, RICHARD CHARLES.....New York City
ROBNIG, LEO.....New York City
KORN, SAMUEL SEYMOUR.....New York City
KRINSKY, MAX LOUIS.....New York City
KUHN, SAMUEL OPPENHEIM.....New York City
KIMSTLER, MONROE B.....New York City
LASHER, DUNCAN MACMILLAN.....Yonkers, N. Y.
LATTIN, CLARK PARKER.....Yonkers, N. Y.
LIEBLER, HAROLD BAXTER.....Riverside, Conn.
LOBECK, ARMIN KOHL.....Haworth, N. J.
LOWE, WILLIAM ADAMS.....Hempstead, N. Y.
LUHMAN, CHESTER.....New Rochelle, N. Y.
MACKENZIE, EDWARD HEMOND.....Glen Spey, N. Y.
MACKINTOSH, JAMES HANDFORTH.....Hoboken, N. J.
MACROSSIE, WILLIAM.....New York City
MAGUIRE, CEDRIC FERRIS.....New York City
MARCUS, BERNARD.....New York City
MAYERS, LAWRENCE SEYMOUR.....New York City
MICHTOM, JOSEPH STEWART.....New York City
MULLER, HERMANN JOSEPH.....New York City
MURRAY, EDWARD WARMS.....New York City
NEWHOUSE, EDGAR L., JR.....West Orange, N. J.
OFFNER, RICHARD.....New York City
PAULSEN, GEORGE WILLIAM.....New York City
PHILLIPS, ELMER HENDRICKS.....New York City
PICARD, MAURICE.....Nyack, N. Y.
PITT, STEDDIFORD.....New Rochelle, N. Y.
PROPP, NATHAN ABRAHAM.....Tupper Lake, N. Y.
RADE, HENRY S.....New York City
REIDY, JOHN FOLEY.....New York City
RENSHAW, ALFRED.....Noroton, Conn.
RIEGEL, GUY HUGHES.....Lebanon, Pa.
ROCHE, ERNEST SPENCER.....New York City
ROSS, WILLIAM NEELEY.....Troy, N. Y.
ROTHWELL, AUSTIN SHERWOOD.....New York City
ROWLEY, CHARLES DONOVAN.....New York City
RUDENSEY, ABRAM.....Montclair, N. J.
RUFLE, FREDERICK CHARLES.....New York City
RUNGE, OTTO ERNEST FREDERICK.....New York City
RYAN, HUBERT WILLIAM.....Ossining, N. Y.
SCHLESINGER, GABRIEL.....New York City
SCHMIDT, ARNOLD M.....New York City
SCHULTZ, LOUIS CLAUDE.....Florida, N. Y.
SESSLER, MARCEL KLEMERT.....New York City
SHIRLEY, AMOS REGINALD.....New York City
SLUTSKY, HENRY.....New York City
SPENCER, FREDERICK BURR.....New York City
STEPHENS, STEPHEN DOVER, JR.....New York City
STEWART, RALPH RANDLES.....New York City
STICKER, HENRY.....New York City
STONE, EDWIN WADSWORTH.....New York City
STRASSBURGER, SAMUEL MYER.....Long Branch, N. J.
TIMMONS, JUDSON.....Colorado Springs, Col.
TOOKER, HAROLD CLIFTON.....New York City
UNGAR, GEORGE FISHER.....New York City

VAN TINE, HAROLD ..... New York City
WELCH, EUGENE NILES ..... New York City
WHEELER, IRWIN ..... New York City
WHITLOCK, BACHE MCE ..... New York City
ZIEGLER, WINFRED HAMLIN ..... Detroit, Mich.

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NON-MATRICULATED STUDENTS

BEST, W. NEWTON ..... Los Angeles, Cal.
BEVINE, WILLIAM BRYAN, P.F ..... New York City
BROCK, RAYMOND ELLIOTT ..... St. Louis, Mo.
BYRNE, JOHN, FRANCIS ..... New York City
CARMICHAEL, CYRIL ..... New York City
CONGER, ASHLEY D ..... New York City
DIXON, JORDAN ..... New York City
CORWIN, HILARY EARL ..... Huntington, N. Y.
DAVIDSON, WILLIAM B ..... Dobbs Ferry, N. Y.
DOWNIE, JAMES VALE ..... Beaver Falls, Pa.
DRIGGS, SPENCER BARTHOLOMEW ..... New York City
EBSTONE, HENRY ADOLPH ..... New York City
FOSTER, WESLEY WILLIAM ..... Millington, N. J.
FOX, OSCAR ALEXANDER ..... Fort Wayne, Ind.
GROSS, BENJAMIN ..... Jersey City, N. J.
HAHN, RUDOLF ..... Cornwall, N. Y.
HALAMKA, LEROY M ..... New York City
HARRIS, RICHARD DONNELL ..... New York City
HAUSER, GEORGE D ..... New York City
HERSHENSTEIN, SAMUEL ..... Newark, N. J.
HOLLENBECK, JAMES SULLIVAN ..... Watertown, N. Y.
JOYCE, WALTER LEROY ..... Ashland, Wis.
KINNEY, WARREN ..... New York City
LEONARD, WILLIAM MEEKER ..... New York City
LESSER, MYRON LAWRENCE ..... New York City
LIPMAN, BERT ..... South Orange, N. J.
LOW, JOSPEH FRANKLIN ..... New York City
MCCOY, PETER JOSEPH, JR ..... New York City
MAUL, WILLIAM F ..... New York City
MILLER, RITCHIE CONSTANT ..... Peekskill, N. Y.
NIETO, LUIS E ..... New York City
NORDELL, ESKEL ..... Stamford, Conn.
NOYES, JULIUS WENTWORTH ..... New York City
ODELL, BENJAMIN BRYANT ..... Newburgh, N. Y.
O'DONNELL, HERBERT ..... Hackettstown, N. J.
PAINE, WILLIAM EDMOND, JR ..... New York City
PELL, HERBERT CLAIBORNE, JR ..... Tuxedo, N. Y.
PULLIS, LAWRANCE ASTEN ..... Bay Shore, N. Y.
REID, CORNELL ..... New York City
RETHY, JOSEPH BERNARD ..... New York City
RIBLET, EDWARD BRIGGS ..... New York City
ROGERS, CLARENCE THOMPSON ..... New York City
SCHLICHTEN, GEORGE WILLIAM, JR ..... New York City
SELDEN, HENRY BILL ..... Greenwich, Conn.
SHIELDS, JAMES ..... New York City
SHUTO, SATOSHI ..... New York City
SKINNER, ALANSON ..... New York City
SQUIER, CHARLES B ..... New York City
STEPHENS, RICHMOND ..... New York City

Strasburger, Alfred	New York City
Swanstrom, Arthur Mundy	New York City
Thomas, Paul Bernard	New York City
Tobochnick, Michael	New York City
Walsh, James Hubert	Boston, Mass.
Webber, William Thomas	New York City
Wood, Alfred Elmer	New York City

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The following matriculated students in the College, attended the Summer Session of 1907, but did not register for the first term of the Academic year 1907–8 :

Collins, Kenneth B.
Egan, Joseph Leo
Eiseman, Benjamin
McLean, Henry Charles
Miller, Robert M.
Mills, Walter Sands
Ripenbein, Nicholas
Sanger, Arthur C.
Shack, Samuel M.

SUMMARY.

Candidates for Degrees—	
In 1908	111
In 1909	141
In 1910	167
In 1911	132
Non-Matriculated Students	56
Total	607

SCHOOL OF LAW

OFFICERS OF INSTRUCTION AND GOVERNMENT

Officers of the Faculty

GEORGE W. KIRCHWEY, A.B.,
Dean and ex-officio Member of the University Council
HENRY S. A. M. REDFIELD, LL.D. ..... *Secretary*
FRANCIS M. BURDICK, LL.D.,
(Term expires in 1910). Elected Delegate to the University Council

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.)
President
JOHN W. BURGESS, Ph.D., LL.D.,
Ruggles Professor of Political Science and Constitutional Law
MUNROE SMITH, J.U.D., LL.D.,
Professor of Roman Law and Comparative Jurisprudence
[1]FRANK J. GOODNOW, LL.D.,
Eaton Professor of Administrative Law and Municipal Science
FRANCIS M. BURDICK, LL.D. ..... *Dwight Professor of Laws*
GEORGE W. KIRCHWEY, A.B. ..... *Kent Professor of Law*
JOHN B. MOORE, LL.D.,
Hamilton Fish Professor of International Law and Diplomacy
GEORGE F. CANFIELD, A.B., LL.B. ..... *Professor of Law*
HENRY S. REDFIELD, A.M., LL.D. ..... *Nash Professor of Law*
CHARLES THADDEUS TERRY, A.B., LL.B. ..... *Professor of Law*
NATHAN ABBOTT, A.B., LL.B. ..... *Professor of Law*
HARRY ALONZO CUSHING, Ph.D., LL.B. ..... *Professor of Law*
K.G. RUDOLF LEONHARD, J.U.D. ... *Kaiser Wilhelm Professor for 1907–08*

JOHN C. GRAY, LL.D. ..... *Carpentier Lecturer for 1907–08*
GOLDTHWAITE H. DORR, A.B., LL.B. ..... *Lecturer*

PURPOSES OF THE SCHOOL

The design of the School of Law is to afford a thorough, practical and scientific education in the principles of:

The common and statute law of the United States.

The English and American system of equity jurisdiction,

[1]Absent on leave.

The public law of the United States and Europe.
The Roman law—ancient and modern.
Theoretical and comparative jurisprudence.

PROGRAM OF STUDIES

First Year

CONTRACTS—Keener's Cases on Contracts. 4 hours. Professor TERRY

CRIMINAL LAW—Beale's Cases on Criminal Law. 3 hours, first half-year. Professor CUSHING

ELEMENTS OF LAW—3 hours, first half-year. Professor MUNROE SMITH

EQUITY—Ames's Cases on Equity, vol. 1. 3 hours, second half-year. Professor ABBOTT

PLEADING AND PRACTICE—Ames's Cases on Common Law Pleading; Perry on Common Law Pleading. 3 hours, second half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Kirchwey's Readings in Real Property; Gray's Cases on Property, vol. 1 (2d ed.). 2 hours. Professor KIRCHWEY

TORTS—Burdick's Cases on Torts (3d ed.); Burdick on Torts. 2 hours. Professor BURDICK

Second Year

ADMIRALTY—Ames's Cases on Admiralty. 2 hours, first half-year. Mr. DORR

AGENCY—Wambaugh's Cases on Agency. 3 hours, first half-year. Professor CUSHING

BAILMENTS AND CARRIERS—Beale and Wyman's Cases on Public Service Companies. 3 hours, second half-year. Mr. DORR

BANKRUPTCY AND INSOLVENCY—Williston's Cases on Bankruptcy. 2 hours, first half-year. Professor CUSHING

* DAMAGES—Beale's Cases on Damages. 2 hours, first half-year.

*DOMESTIC RELATIONS—Smith's Cases on Persons. 2 hours, second half-year.

EQUITY—Ames's Cases on Trusts. 2 hours. Professor ABBOTT

*INSURANCE—Richards on Insurance. 2 hours, first half-year.

NEGOTIABLE PAPER—Ames's Cases on Bills and Notes. 2 hours. Professor BURDICK

PLEADING AND PRACTICE—Redfield's Cases on Code Pleading and Practice; Thompson's Cases on Equity Pleading; New York Code of Civil Procedure. 2 hours. Professor REDFIELD

* Omitted in 1907–08.

QUASI-CONTRACTS—Scott's Cases on Quasi-Contracts. 3 hours, second half-year. Professor CUSHING

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. 2 (2d ed.) and 3 (2d ed.). 2 hours. Professor KIRCHWEY

SALES OF PERSONAL PROPERTY—Burdick's Cases on Sales (2d ed.); Burdick on Sales (2d ed.). 2 hours. Professor BURDICK

LAW OF OFFICERS. Goodnow's Cases on the Law of Officers. 2 hours, second half-year. Professor GOODNOW

COMPARATIVE CONSTITUTIONAL LAW. 2 hours. Professor BURGESS

INSTITUTES OF JUSTINIAN: (*a*) Compared with American and German Private Law. 2 hours, first half-year. Professor LEONHARD: (*b*) Select titles. 2 hours, second half-year. Professor MUNROE SMITH.

Third Year

CORPORATIONS—Keener's Cases on Corporations. 2 hours. Professor CANFIELD

EQUITY: Trusts—Ames's Cases on Trusts. 2 hours. Professor ABBOTT

EVIDENCE—Thayer's Cases on Evidence. 2 hours. Professor KIRCHWEY

MORTGAGES—Kirchwey's Cases on Mortgages. 3 hours, second half-year. Professor CUSHING

PARTNERSHIP—Burdick's Cases on Partnership; Burdick on Partnership. 2 hours. Professor BURDICK

PLEADING AND PRACTICE.—New York Code of Civil Procedure. 3 hours, first half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. 5 and 6. 2 hours. Professor ABBOTT

*SURETYSHIP—Ames's Cases on Suretyship. 2 hours, first half-year.

TRUSTS AND PERPETUITIES—Under the Revised Statutes of New York. 2 hours, second half-year. Professor CANFIELD

WILLS AND ADMINISTRATION—Gray's Cases on Property, vol. 4 (2d ed.). 3 hours, second half-year. Professor REDFIELD

AMERICAN CONSTITUTIONAL LAW: Private Rights under the Constitution. 2 hours. Professor BURGESS

CONFLICT OF LAWS—Beale's Cases on the Conflict of Laws. 1 hour. Professor JOHN BASSETT MOORE

THE CORPUS JURIS CIVILIS AND MODERN LAW. 2 hours, first half-year. Professor LEONHARD.

*Omitted in 1907–08.

History of European Law. 2 hours, second half-year. Professor Munroe Smith

International Law—Scott's Cases on International Law. 2 hours. Professor John Bassett Moore

Municipal Corporations—Abbot's Cases on Public Corporations; Smith's Cases on Municipal Corporations. 2 hours, first half-year. Professor Goodnow

Modern Civil Law. 2 hours. Professor Munroe Smith

Law of Taxation. Goodnow's Cases on Taxation. 2 hours, second half-year. Professor Goodnow [1]

Social Tendencies of German Law. 1 hour, first half-year. Professor Leonhard.

Nature and Sources of the Law. 3 hours for four weeks in April. Professor Gray.

Practice Courts

Moot Courts, conducted with special reference to the courses in pleading and practice, will constitute a regular feature of the work of the second and third years. They will be under the supervision of Professor Redfield.

Requirements for Admission

To the First-Year Class

All applicants for admission must present satisfactory evidence of good moral character, and must be at least eighteen years of age for the first-year class and correspondingly older for advanced standing.

Graduates of colleges and scientific schools in good standing are admitted without examination. Except as provided on p. 177, all persons other than such graduates must present satisfactory evidence of preliminary training equivalent to that of a full college course.

To Advanced Standing

Students complying with the above requirements for admission to the School, who have, in addition, successfully pursued the study of law for at least a year in an approved law school, may, on examination giving satisfactory evidence of proficiency in the studies of the first year, be admitted to advanced standing as members of the second-year class.

No one will be admitted to advanced standing beyond the second year except by special vote of the Faculty.

The examinations for advanced standing cover all the work previously done by the class to which admission is sought, and are held at the end of the academic year and during the week preceding the

[1] Absent on leave.

opening of the fall term. No certificate or diploma of work done elsewhere will be accepted in lieu of these examinations.

As Non-Matriculated Students

In exceptional cases qualified persons not candidates for the degree of LL.B., who are not eligible under this rule, may be admitted as non-matriculated students by vote of the Faculty. No one will be admitted to the School to pursue advanced work as a non-matriculated student who has not passed satisfactory examinations in the contract, equity, and property courses preceding such work in point of time.

The Curriculum

The curriculum leading to the degree of Bachelor of Laws covers a period of three years. The work of the first year is prescribed. All the courses of the second and third years are elective. Courses not taken in the second year may be elected as a part of the work of the following year, but third-year courses will not in general be open to second-year students. A few courses are given only in alternate years. These may be taken both by second- and third-year students.

Registration is limited to courses taken for a degree, and students will be held responsible for the satisfactory completion of all courses for which they are registered.

The work selected by a law student is subject in every case to the approval of the Dean.

Examinations

Written examinations are held at the end of each academic year on the subjects of that year.

All students, whether matriculated or non-matriculated, must, unless excused by the Dean, present themselves for examination in all the subjects for which they are registered at the first examination held therein, and, in case of excuse from any examination, must take the next examination offered in such subject. Students are not permitted to take examinations in courses for which they are not regularly registered.

At all stated examinations the standing of students will be indicated by the letters A, B, C, D, and F, representing *Excellent*, *Good*, *Fair*, *Poor*, and *Failure*, respectively. These grades will be part of the record of the students in the office of the Registrar and will be reported to them as soon as possible after each examination.

No student is admitted to the second-year class who is deficient in more than four hours of the work of the first year. No student will be admitted to the third-year class who is deficient in any subject of the first year or in more than one full course or in more than two half-year courses of the second year.

No student failing in any subject will be permitted to take a second examination therein without having again taken the course in which such failure occurred, nor will any student failing a second time in any subject be allowed to continue in the School except by special vote of the Faculty.

Non-matriculated students must pass satisfactory examinations in not less than 75 per cent. of the work for which they are registered, as a condition of continuing in the School.

No other examinations are given.

Degree of Bachelor of Laws

The required work for the degree of Bachelor of Laws consists of 84 points, each point representing the satisfactory completion of work requiring attendance one hour a week for one half-year.

No student may take less than twenty nor more than thirty points in any year without the consent of the Dean.

Not more than one full course nor more than two half-year courses in which the student receives a mark of D may be counted toward a degree in any one year.

No student failing in any subject on the final examination of his class will be admitted to the degree unless within two years of such failure he presents himself for re-examination and receives a mark of C, at least, therein.

Non-matriculated students who have been members of the School for at least two years may become eligible for the degree if they shall have attained an average of B in all the work prescribed therefor.

Scholarships and Prizes

(See page 404)

Fees

(See page 27)

Law Library

The law library has been greatly extended and improved, and now consists of upwards of 30,000 volumes, which have been carefully selected to meet the wants of students. It is especially rich in American, English, and British Colonial reports.

The general Library of the University (see page 35) contains extensive collections of works relating to international, public, and Roman law.

REGISTER OF STUDENTS

School of Law

THIRD YEAR—CLASS OF 1908

ABBEY, EDWARD NORMAN, A.B. Hamilton 1905.....Smithtown Branch, N. Y.
ASTON, ALBERT, A.B. Yale 1905.....New York City
BAUM, PHILIP, A.B. 1906.....New York City
BEDINGER, HENRY GARRETT, A.B. Univ. Missouri 1905.....Anchorage, Ky.
BERNSTEIN, MORRIS HENRY, A.B. Univ. Georgia 1905.....Savannah, Ga.
BERTINI, AMEDEO AUGUST, A.B. 1906.....New York City
BONDY, EUGENE LYONS, A.B. 1906.....New York City
BOYLE, JOHN NEVILLE, A.B. 1906.....New York City
BUFFETT, BENJAMIN R., A.B. Mt. Allison Univ. 1899....Grand Bank, Newfoundland
BULKLEY, CHARLES STONE, A.B. Yale 1905.....Summit, N. J.
BURDETT, LESTER CHARLES, A.B. Manhattan 1905.....Fort Lee, N. J.
BURDICK, CHARLES KELLOGG, A.B. Princeton 1904.....New York City
CHAMBERS, FRANK WILLIAM, A.B. 1906.....New York City
CLARE, JAMES LEO, A.B. St. Francis Xavier 1905.....New York City
CLARK, THOMAS FAYETTE.....New York City
CLINKSCALES, LOUIS DUPREE, A.B. Baylor 1905.....Vinita, Okla.
COHEN, ISIDORE, A.B. C. C. N. Y. 1904.....New York City
ELLIS, GEORGE ADAMS, A.B. 1904.....Castleton, Vt.
FARWELL, EARLE, U. S. N. A. 1905.....Philadelphia, Pa.
FETZER, JOHN ELGIN, A.B. Univ. Michigan, 1906.....Denver, Colo.
FLOYD, CHARLES HAROLD, B.S. Harvard 1903.....Hyde Park, Mass.
FRANK, ARTHUR, B.S. Vanderbilt 1905.....Nashville, Tenn.
GALLATIN, GOELET, A.B. 1900.....New York City
GEER, WILLIAM MONTAGUE, JR., A.B. 1906.....New York City
GOOLDY, WALTER G., A.B. Univ. Denver 1903.....Dixon, Wyom.
GWINN, RALPH, A.B. DePauw 1906.....Noblesville, Ind.
HOGAN, JAMES JOSEPH, A.B. Yale 1905.....Torrington, Conn.
HOWELL, RAPELJE, A.B. Cambridge, England 1902.....New York City
HYMAN, MAURICE, A.B. 1905.....New York City
ISAACS, SAMUEL STANLEY, A.B. 1906.....New York City
KENDLER, JULIUS, A.B. 1906.....New York City
KING, CLARENCE B., A.B. Univ. Wisconsin 1906.....Madison, Wis.
LAING, JOHN ALBERT, A.B. Dartmouth 1905.....Albany, N. Y.
LEAVENWORTH, ELLIS WILLARD, A.B. Colgate 1905.....Eaton, N. Y.
LEROY, ROBERT, A.B. 1905.....New York City
MCCARTHY, THEODORE, A.B. 1906.....New York City
MCKENNIS, HERBERT, A.B. Dartmouth 1904.....Albany, N. Y.
MCMORROW, THOMAS JOHN, A.B. Manhattan 1905.....New York City
MAVES, ALBERT EDWARD, A.B. 1906.....New York City
MELA, HARRY FERDINAND, A.B. C. C. N. Y. 1904.....New York City
MILBANK, HAROLD, A.B. Yale 1905.....New York City
NAVE, MARK DEMING, A.B. 1901, A.M. Wabash 1904.....Mt. Sterling, Ky.
OPENHYM, WILFRED ADOLPHE, A.B. Harvard 1905, A.M. 1906.....New York City
PALMER, WALTER MATTHEW, A.B. Hamilton 1905.....Little Falls, N. Y.

PETER, WILLIAM FREDERICK, Jr., A.B. Yale 1905.....Seymour, Ind.
PORTER, WILLIAM REDFIELD, A.B. 1906, A.M. 1907.....New York City
POWELL, FREDERICK JAMES, E.M. 1905.....New York City
ROGERS, RALPH ERNEST, A.B. Yale 1901.....New York City
ROY, EDWARD COSBY, A.B. Univ.Louisville 1903,B.S.Central Univ. 1905 Louisville, Ky.
RUNYON, CHARLES, A.B. Williams 1905.....Yonkers, N. Y.
SELIG, SAMSON, A.B. 1906.....Atlanta, Ga.
SHAPIRO, LOUIS M., B.S. C. C. N. Y. 1905.....New York City
SHIENTAG, BARNARD FLOYD, A.B. C. C. N. Y. 1904.....New York City
SIEGEL, ALEXANDER BERNARD, A.B. C. C. N. Y. 1905.....New York City
STUDY, GEORGE WINSLOW, A.B. Univ. Indiana 1905.....Winchester, Ind.
WEIL, JESSE, A.B. 1905.....New York City
WHEELER, MASON, A.B. Univ. Nebraska 1906.....Lincoln, Neb.
WHITAKER, FREDERICK PRESCOTT, A.B. Leland Stanford Jr. 1905.....Grantwood, N. J.
WILLIAMS, CHARLES LAIDLAW, A.B. 1906.....East Orange, N. J.
Third Year—Class of 1908.....59

SECOND YEAR—CLASS OF 1909

ANDERSON, ROGER HAMLIN, A.B. Robert 1904, A.B. Yale, 1906..Constantinople, Turkey
ARMS, GUY TURNER, A.B. Yale 1906.....New London, Conn.
BAILLY, EDWARD CASHMAN, A.B. 1906.....Spencerport, N. Y.
BANGS, HENRY MCCOMB, A.B. 1906.....New York City
BANGSER, ADOLPH, A.B. 1907.....Lebanon, Pa.
BARBER, JAMES FRED, A.B. Cedarville College 1904.....Cedarville, O.
BEVIER, LOUIS, 3rd, A.B. Rutgers 1906.....New Brunswick, N. J.
BLECHMAN, JOSEPH PIERPONT, A.B. 1906.....New York City
BUCHNER, CHARLES JOHN, A.B. St. John's 1906.....New York City
COHN, ABYE ALBERT, A.B. 1906, Ph.B. Univ. Miss. 1905.....Brookhaven, Miss.
COLTON, HENRY ELLIOTT, A.B. Yale 1902.....New York City
CORLETT, WILLIAM WELLINGTON.....New York City
CROSS, BOLLING ALLYN, A.B. Louisiana State Univ. 1906.....Baton Rouge, La.
DOERNBERG, WALTER S., A.B. 1907.....New York City
DOW, FAYETTE BROWN, A.B. Amherst 1904.....Rochester, N. Y.
DOX, RALPH WATSON, A.B. 1906.....Lockport, N. Y.
DRAIN, DALE DAVID, A.B. Univ. of Nebraska, 1907.....Kirkwood, Ill.
EASTMAN, HENRY WESTERN, A.B. 1907.....Roslyn, N. Y.
ELLENWOOD, ERNEST JUDSON, Ph.B. Union 1905.....Dannemora, N. Y.
ELLIS, FLOYD ELMO.....Carlisle, Ind.
FOLGER, PAUL, A.B. Cornell 1906.....Geneva, N. Y.
FRINK, RALPH MENDENHALL, A.M. 1906, A.B. Wabash 1905.....Elkhart, Ind.
GOETZ, NORMAN S., A.B. 1906.....New York City
GORDON, PERCY ADOLPHUS, A.B. 1907.....Weehawken, N. J.
HAMILTON, SINCLAIR, A.B. Princeton 1906.....Englewood, N. J.
HAY, WILLIAM WOODHULL, A.B. Princeton 1906.....New York City
HEINICK, FRED ROBERT.....Berlin, Germany
(equiv. A.B.,) Kaiser Wilhelm's Akademie, Berlin, Ger. 1902
HERSHKOFF, BERNARD, B.S. C. C. N. Y. 1906.....New York City
HOUSTON, ALFRED, A.B. St. John's 1906.....Valparaiso, Chile
JACKSON, LISTON, A.B. Wake Forest 1906.....Dillon, S. C.
JOLLON, ALFRED JOHN, A.B. St. John's 1905.....New York City
JONES, GEORGE, A.B. Harvard, 1905.....New York City
JUDSON, LEONARD, A.B. C. C. N. Y. 1904.....New York City
KELLS, LUCAS CARLISLE, A.M. Univ. of Minn. 1904.....Sauk Centre, Minn.
KENTWELL, LAWRENCE KLINDT.....Honolulu, H. I.
LATHAM, DUDLEY E., Ph.B. Lafayette 1905.....Weatherly, Pa.
LORD, FRANKLIN B., Jr., A.B. Yale 1905.....New York City

McLaughlin, James B., A.B. Fordham 1903.....New York City
Marsden, Walter E., A.B. Yale 1905.....Johnstown, Pa.
Maurice, Albert Touzalin, A.B. Princeton 1906.....Athens, Pa.
Miller, Sanford Lawrence.....Linlithgo, N. Y.
Murphy, Charles Aloysius, A.B. Univ. Pennsylvania 1905.....Philadelphia, Pa.
O'Connor, Vincent Aloysius, A.B. St. John's 1906.....New York City
Pierce, Marion Barnwell, A.B. Wofford 1906.....Sparta, Ga.
Read, Harlan, B.L. Ohio Wesleyan 1906.....Delaware, Ohio
Richter, Stanley Lasker, A.B. 1906.....New York City
Riddle, Stanley Clifton, B.S. Ohio Wesleyan 1906.....Delaware, Ohio
Rinke, Arthur Werner, A.B. Yale 1906.....New York City
Roig, Harold Joseph, A.B. Cornell, 1907.....Poughkeepsie, N. Y.
Rosenblatt, Bernard Abraham, A.B. 1907.....New York City
Ryba, John, (equiv. A.B.,) Univ. Cracovia 1877.....Poland, Austria
Sage, George Nelson, B.S. Univ. Rochester 1905.....Clifton Springs, N. Y.
Schaffer, Franklin Pierce, A.B. Oberlin 1906.....New York City
Schwarz, Walter M., A.B. 1907.....New York City
Scribner, Charles Edwin, B.S. Princeton 1905.....Boonton, N. J.
Shafer, George Carlton, A.B. Princeton 1903.....Montrose, Pa.
Shapinsky, Alvin Theodore, A.B. 1907.....Louisville, Ky.
Sheehan, Paul, A.B. Yale 1906.....Buffalo, N. Y.
Shelton, William B., A.B. Yale 1906.....Norwalk, Conn.
Sicher, Dudley Frank, A.B. Yale 1904, A.M. 1905.....New York City
Simpson, Ely, A.B. C. C. N .Y. 1906.....New York City
Skinner, Robert Wilkinson, Jr., A.B. Harvard 1906.....New York City
Snead, Charles Golden, Jr., A.B. Lincoln 1906.....Waterbury, Conn.
Spence, Kenneth Monroe, A.B. 1906.....New York City
Spiegel, Alfonse Frank (equiv. A.B.), Hanover, North Germany, 1906..New York City
Spitz, Edward Frederick, A.B. 1906. A.M. 1907.....New York City
Sprague, William Buell, A.B. Yale 1906.....New York City
Stanley, Edward Otis, Jr., A.B. Princeton 1906.....East Orange, N. J.
Sturtevant, Watkin Powell, A.B. Allegheny 1906.....Conneautville, Pa.
Swain, Prescott Leggett, A.B. Harvard 1905.....New York City
Tachna, Max, A.B. 1907.....New York City
Travis, Charles Mabbett, A.B. Wesleyan 1906.....New York City
Trosk, Charles, B.S. C. C. N. Y. 1906.....New York City
Vincent, Harold Gaston, A.B. Oberlin 1906.....Oberlin, Ohio
Welles, Frank Corday, A.B. 1907.....New York City
Wicke, Carl, A.B. 1907.....New York City
Williams, Eric Johann, A.B. Harvard 1906.....Lockport, N. Y.
Wise, Boyd Douglas, A.B. 1907.....New York City
Wolff, Louis Jacob, A.B. 1907.....New York City
Wormser, Isaac Maurice, A.B. 1906.....New York City
Zion, Edwin H., A.B. Park College, 1906.....Stanton, Neb.

Second Year—Class of 1909.....83

FIRST YEAR—CLASS OF 1910

Asher, Jacob, A.B. Clark 1907.....Worcester, Mass.
Alsop, Reese Denny, Ph. B. Yale 1904.....New York City
Ault, Harley Addison, A.B. Baker Univ. 1906.....Ottawa, Kans.
Baldo, Benjamin, Ph.B. National College 1900.....Caracas, Venezuela, S.A.
Baldwin, Lorenzo Wilson, A.B. Bowdoin 1907.....Newburyport, Mass.
Baumer, Herbert P.....New York City
Behr, Karl Howell, Ph.B. Yale 1906.....New York City
Bissell, Louis P., A.B. 1904, A.M. 1905, Princeton.....Philadelphia, Pa.
Black, Loring Wilton, A.B. Fordham 1907.....New York City
Campbell, Lonnie Lee, A.B. Univ. of Arkansas 1906.....Newport, Ark.

CHAPIN, HENRY EAGLE, A.B. 1907 ..... New York City
CHERRY, WILBUR HARKNESS, A.B. McGill Univ. 1907 ..... Toledo, Ohio
CHMIELINSKI, HARRY, A.B. Holy Cross 1904 ..... Warsaw, Poland
CHURCH, ELIHU CUNNINGHAM, C.E. 1904 ..... New York City
COODER, CLEMENT MOFFAT, Litt.B. Princeton 1907 ..... Rahway, N. J.
COPLON, NATHAN, B.S. Univ. of Georgia 1907 ..... Cedartown, Ga.
CRANDALL, JOHN WILLOUGHBY, A.B. Whitworth 1907 ..... Tacoma, Wash.
DORSEY, ERASTUS ROY ..... Atlanta, Ga.
DYE, TRAFTON MICKELWAIT, A.B. Oberlin 1906 ..... Oregon City, Ore.
EARLY, ERNEST RHEA, A.B. Emory and Henry 1908 ..... Foster Falls, Va.
FERRARI, ROBERT ANTHONY, A.B. 1905 M.A. 1907 ..... New York City
FLEISCHMANN, ALBERT JOSEPH, A.B. Johns Hopkins 1907 ..... Baltimore, Md.
FRENCH, CLAYTON T. A., A.B. N. Y. U. 1907 ..... New York City
GABRIEL, BERTRAM A., A.B. Yale 1907 ..... New York City
GARVEY, RICHARD, Jr., B.S. St. Vincent 1906 ..... Los Angeles, Cal.
GEER, OLIN POTTER, A.B. Williams 1907 ..... New York City
HALL, EMMETT CONNOR, A.B. Univ. of Nashville 1906 ..... Nashville, Tenn.
HARE, RUSSELL I., A.B. Ohio State Univ. 1905 ..... Muskogee, Okla.
HART, EDWARD HENRY, A.B. Yale 1907 ..... New York City
HEIDGARD, HERMAN WILLIAM, A.B. C. C. N. Y. 1907 ..... New York City
HERMAN, MOSES MILTON, A.B. Washington and Lee 1906 ..... Danville, Va.
HIRSCH, GILBERT JULIUS, A.B. Harvard 1907 ..... New York City
HOPPING, ALLEN TILTON, A.B. 1907 ..... New York City
HOUSE, JOSEPH WARREN, A.B. Univ. of Arkansas 1907 ..... Little Rock, Ark.
HÜLSMANN, HERMANN ALBERT ..... Hilversum, Holland
INTEMANN, ALFRED C., A.B. C. C. N. Y. 1906 ..... New York City
JABINE, WILLIAM, A.B. 1907 ..... Yonkers, N. Y.
KATZENSTEIN, CHARLES JACKSON, A.B. Univ. of N. Carolina 1907 . Warren Plains, N. C.
KELLY, LEO CHARLES, A.B. Wabash 1907 ..... Crawfordsville, Ind.
KELLEY, WALTER EDWARD, A.B. 1907 ..... New York City
KENT, TOWNER, A.B. Yale 1906 ..... Patterson, N. Y.
KERNAN, CLINE W., A.B. Tulane 1907 ..... Baton Rouge, La.
KLEPPER, MILTON REED, A.B. State College of Wash. 1709 ..... Pullman, Wash.
KOBBÉ, F. WILLIAM, A.B. 1907 ..... New York City
LATOURETTE, JOHN RANDOLPH, A.B. Univ. of Oregon 1907 .... Oregon City, Ore.
LAVERY, URBAN AUGUSTIN, A.M. Univ. Penn. 1907 ..... Lavery, Penn.
LEVY, ARTHUR S., JR., A.B. 1907 ..... New York City
LIBBEY, WILLIAM EARLE, A.B. Hamilton College 1907 ..... Clinton, N. Y.
MCCANLISS, LEE E., A.B. Wabash 1907 ..... Rockville, Ind.
MCCORMICK, WASHINGTON JAY, A.B. Harvard 1907 ..... Missoula, Montana
MCGRANN, WILLIAM HUGH ..... Memphis, Tenn.
MCGILL, NEIL WORTHINGTON, A.B. Oberlin 1907 ..... Meadville, Penn.
MANDELL, HOWARD JONES, A.B. Yale 1907 ..... Ellington, Ill.
MARTIN, D. MATHEWS, A.B. Harvard 1907 ..... New York City
MILHOLLAND, WILLIAM HENRY, A.B. Yale 1907 ..... New York City
MOREMEN, MARCUS L., B.S. Univ. of Florida 1907 ..... Switzerland, Fla.
MORTIMER, ALBERT SKELLEY, A.B. St. Francis Xavier .1907 ..... New York City
NEWTON, CICERO ..... Jassy, Rumania
NORRIS, GEORGE, A.B. 1907 ..... New York City
O'CONNELL, AMBROSE A., Ph.B. Notre Dame 1907 ..... Ottumwa, Ia.
PARKS, JAMES LEWIS, JR., A.B. 1907 ..... New York City
PEISER, DELWYN WALTER, A.B. 1907 ..... New York City
PIERSON, HOWARD OLMSTEAD, A.B. Princeton 1906 ..... Norwalk, Conn.
RAFFERTY, HARRY LOGAN, A.B. Univ. of Oregon 1907 ..... Portland, Ore.
RATHJEN, ARTHUR, B.S. Univ. of Rochester 1906 ..... Rochester, N. Y.
REILLEY, FAIRFAX ADDISON ..... Mt. Vernon, N. Y.
REINER, JOHN LOUIS, A.B. Univ. of Penn. 1906 ..... Little Britain, N. Y.

REYNOLDS, WILLIAM A. ..... New York City
ROBINSON, JOHN SHERMAN, A.B. Univ. of Michigan 1903 ..... Mansfield, O.
SHAN, WITSON SION ..... Wenchow, China
SHERRER, FRANK L., A.B. Lafayette 1907 ..... East Orange, N. J.
SILVERMAN, HERMAN, Ph.B. Yale 1906 ..... New York City
SMITH, ALLAN, A.B. Ohio Wesleyan 1906 ..... Wilmington, Ohio
SOUTER, CLYDE DOUGLAS, A.B. Dartmouth 1906 ..... Newark, N. J.
SPINGARN, HERMAN, A.B. Cornell 1907 ..... New York City
STANLEY, JOSEPH H., A.B. Univ. of Arkansas 1907 ..... Augusta, Ark.
TERKEL, HERMAN, W. ..... Woonsocket, R. I.
TUCKER, DUDLEY GILMAN, A.B. Harvard 1907 ..... New York City
TUTTLE, GEORGE COOLIDGE, A.B. Yale 1907 ..... New York City
VAN DEWATER, WILLIAMS COLLINS, A.B. Princeton 1907 ..... Princeton, N. J.
ULLMAN, KARL BURWELL, A.B. Oberlin 1907 ..... Londonville, Ohio
UNTERMYER, IRWIN ..... New York City
WALKER, EDWARD WASHBURN, A.B. Princeton 1907 ..... New York City
WASHBURN, WILLIAM MAYHEW, A.B. Harvard 1908 ..... New York City
WELTNER, PHILIP ROBERT, A.B. Univ. of Georgia 1907 ..... Columbia, S. C.

First Year—Class of 1910 85

NON-MATRICULATED STUDENTS

ADAMS, FREDERIC LEONARD, A.B. Yale 1905, LL.B. N. Y. Law 1907 .. Summit, N. J.
CHAMBERLAIN, JOSEPH PERKINS, LL.B. Hastings 1898 ..... Cleveland, O.
DAWKINS, SPENCER MORGAN, A.B. Wofford 1903 ..... Spartanburg, S. C
FEITEL, NATHAN HAWTHORNE, A.B. La. State Univ. 1906 ..... New Orleans, La.
GRAY, CHARLES PIERSON, LL.B. Indiana Law School 1900 ..... Pennville, Ind.
HAAS, EMIL M., A.B. C. C. N. Y. 1904, LL.B. N. Y. U. 1907 ..... New York City
HIRATA, AIKICHI ..... Kagoshima, Japan
JOHNSON, WILLIAM KURTZ, A.B. Yale 1906 ..... Washington, D. C.
JOSEY, EDWIN BRUCE, A.B. Wake Forest 1905 ..... Scotland Neck, N. C.
LANZIT, MORTIMER ..... New York City
LEVY, BERTRAM ..... New York City
MEGREW, GEORGE ..... Plainfield, N. J.
RAGSDALE, OREN M., A.B. Yale 1907 ..... Franklin, Ind.
RICHTER, ROBERT M. ..... New York City
SOMMERS, SAMUEL A. ..... Cincinnati, Ohio
STAKURA, TAKUYO ..... Tokyo, Japan
TALCOTT, WALTER LEROY, B.S. Valparaiso Univ. 1903 ..... Valparaiso, Ind.
THORNTON, ALBERT EDWARD, A.B. Yale 1906 ..... Atlanta, Ga.
VAN WYCK, WILLIAM ..... New York City
WELLS, JOHN DAVID ..... Wilson, N. C.

Non-matriculated 20

SUMMARY

Third Year—Class of 1908	59
Second Year—Class of 1909	83
First Year—Class of 1910	85
Non-Matriculated Students	20
	247
Seniors from Columbia College	18
Total	265

SCHOOL OF MEDICINE

COLLEGE OF PHYSICIANS AND SURGEONS

Officers of the Faculty

SAMUEL W. LAMBERT, A.M., M.D. . . . . *Dean and Member of the University Council ex-officio*

WALTER B. JAMES, M.D., LL.D. (term expires 1910) . . . *Elected Delegate to the University Council*

WILLIAM J. GIES, M.S., Ph.D . . . . . *Secretary*

Standing Committees

ON ADMINISTRATION:

The Dean (Chairman), Professors CURTIS, JAMES, BREWER, and CRAGIN

ON ADMISSIONS:

The Dean (Chairman), Professors PRUDDEN and STARR

ON SCHOLARSHIPS:

The Dean (Chairman), Professors BLAKE and GIES

ON STUDENTS' LIBRARY:

Professors PRUDDEN (Chairman), HUNTINGTON, and STARR

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D.. (Oxon.) *President*

JOHN G. CURTIS, M.D., LL.D. . . . . *Professor of Physiology*

M. ALLEN STARR, M.D., LL.D., Sc.D. . . . . *Professor of Neurology*

GEORGE S. HUNTINGTON, M.D., Sc.D., LL.D . . . . *Professor of Anatomy*

T. MITCHELL PRUDDEN, M.D., LL.D. . . . . *Professor of Pathology*

EDWIN B. CRAGIN, A.M., M.D. . . . *Professor of Obstetrics and Gynecology*

WALTER B. JAMES, M.D., LL.D. . . . . *Bard Professor of the Practice of Medicine*

WILLIAM J. GIES, M.S., Ph.D. . . . . *Professor of Biological Chemistry*

L. EMMETT HOLT, M.D., LL.D., Sc.D. . . . . *Carpentier Professor of Diseases of Children*

PHILIP HANSON HISS, JR., M.D . . . . . *Professor of Bacteriology*

CHRISTIAN A. HERTER, M.D. . . . . *Professor of Pharmacology and Therapeutics*

JOSEPH A. BLAKE, M.D. ..... *Professor of Surgery*
SAMUEL W. LAMBERT, A.M., M.D. ... *Professor of Applied Therapeutics*
GEORGE E. BREWER, M.D. ..... *Professor of Clinical Surgery*
FRANCIS CARTER WOOD, M.D. ..... *Professor of Clinical Pathology*
HARRY MCMAHON PAINTER, M.D. ..... *Professor of Clinical Obstetrics*

Emeritus Professors

(See page xvi).

HISTORICAL STATEMENT

Kings College—the original foundation of Columbia University—organized a Medical Faculty in 1767 and was the first institution in the North American Colonies to confer the degree of Doctor of Medicine in course. The first individuals to graduate in medicine from the College were Robert Tucker and Samuel Kissam, who received the degree of Bachelor of Medicine in May, 1769, and that of Doctor of Medicine in May, 1770, and May, 1771, respectively. Instruction in medicine was given from this time on until the work of the College was broken up by the War of the Revolution. In 1784 an act was passed making Columbia College in the City of New York the successor of Kings College, and instruction was resumed in the academic department. Eight years later the Medical Faculty was re-established, and was continued until 1814, when the Medical Faculty of Columbia College was merged in the College of Physicians and Surgeons, which had received an independent charter in 1807. In 1860, by agreement between the Trustees of the two institutions, the College of Physicians and Surgeons became the medical department of Columbia College, and from that time on the diplomas of the graduates were signed by the President of Columbia College as well as by the President of the College of Physicians and Surgeons. The connection was only a nominal one, however, until 1891, when the College was definitely merged in the University.

Since 1860 the degree of Doctor of Medicine has been conferred by Columbia University on 5786 men, including many of the most eminent practitioners in the United States.

BUILDINGS, GROUNDS, AND EQUIPMENT

The College of Physicians and Surgeons was first situated at 18 Robinson Street, from 1807 to 1809. From 1809 to 1813 it was at 12 Magazine Street; from 1813 to 1837 at 3 Barclay Street; from 1837 to 1856 at 67 Crosby Street; and from 1856 to 1887 at 101 East Twenty-third Street. It now occupies a group of buildings given by the late William H. Vanderbilt, his sons Cornelius, William K., Frederick W., and George W. Vanderbilt, and by William D. Sloane, which stands upon thirty contiguous lots of land, bounded on the south, west, and north by Fifty-ninth Street, Amsterdam Avenue, and

Sixtieth Street, respectively, and lying immediately opposite to the Roosevelt Hospital.

The Main Building

The College Building proper has been designed to facilitate the combination of theoretical instruction with laboratory work, which is essential to a modern scientific training. In this building, which has a floor space of 100,000 square feet, are the lecture halls, the recitation rooms, and the different laboratories, under the supervision of their respective professors, all thoroughly equipped for the routine work of the regular classes and for the special original and research work of the advanced students, instructors, and professors of the several departments.

In this building are the administrative offices, the laboratories of Physiology, General and Physiological Chemistry, Surgery, Pharmacology and Pharmaceutics, the Morphological Museums and Laboratory, a dissecting room accommodating 400 students, and two large amphitheatres.

For a more detailed account of the equipment of each department see the departmental statements.

Vanderbilt Clinic

Board of Managers: Mr. Frederick W. Vanderbilt, Dr. S. W. Lambert, Dean, Dr. Timothy M. Cheesman, Dr. Joseph A. Blake and Dr. Francis C. Wood.

The Vanderbilt Clinic is a fully equipped dispensary for the sick poor. It also affords ample material for extended practical clinical instruction in the various departments of Medicine and Surgery, as the professors, with their clinical assistants, have the entire charge of its practice.

The building is so arranged that each department has a room for the practical instruction of students in small sections, in addition to the rooms devoted to the treatment of patients; besides, there is a large theatre for clinical lectures and a smaller lecture hall.

All modern appliances for the treatment of diseases have been introduced, so that students can learn thoroughly the use of all methods in each of the special departments of medicine.

During the year 1906, 47,941 patients were treated, making 163,733 visits to the Clinic.

For detailed information as to the clinical lectures held here, see the departmental statements in this volume, or the *Announcement of the College of Physicians and Surgeons.*

Sloane Maternity Hospital

Board of Managers: Mr. William D. Sloane, Dr. S. W. Lambert,

Dean, Dr. T. Mitchell Prudden, Dr. Edwin B. Cragin, and Mr. George L. Rives.

The Sloane Maternity Hospital is situated at the corner of Fifty-ninth Street and Amsterdam Avenue, and the service is under the exclusive direction of the Professor of Obstetrics in the College of Physicians and Surgeons, the Instructor in Obstetrics being the Resident Physician. The wards of the Hospital furnish one hundred and twenty-seven beds, and there are ample accommodations for the house staff, students, and nurses. The operating room is equipped with all modern surgical and obstetrical conveniences, and Professor Cragin holds weekly clinics here for third-year class during the first half of the year.

The number of deliveries averages over fifteen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience.

Clinics at the Hospitals

The College is strongly represented on the staffs of most of the general and special hospitals of New York. In them both required and optional practical instruction is given by clinical lectures, in the dispensaries and at the bedside, all of which are prominent features of the curriculum. These hospitals are as follows: Roosevelt, Bellevue, New York, Presbyterian, St. Luke's, General Memorial, Hospital for the Ruptured and Crippled, St. Mary's Free Hospital for Children, Willard Parker, Scarlet Fever and Reception, Riverside, New York Eye and Ear Infirmary, Foundling, the Babies Hospital, New York Ophthalmic and Aural Institute, the Manhattan Eye, Ear, and Throat Hospital, and the Woman's Hospital. For a detailed statement see the *Announcement of the College of Physicians and Surgeons.*

Lectures

Cartwright Lectures of the Alumni Association—According to the provisions of the Cartwright Trust there is biennially given, under the auspices of the Alumni Association, a course of lectures more especially addressed to graduates in medicine. This course was delivered during the session of 1905–06 by Baron Kanehiro Takaki, Surgeon General (Reserve) of the Japanese Navy.

GENERAL PLAN OF INSTRUCTION

The prescribed period of study for the degree of Doctor of Medicine is four years. The requirements for admission are given elsewhere, but too much stress cannot be laid upon the desirability of a student fulfilling the spirit as well as the mere letter of those requirements. Physics and general chemistry are now required for admission, and the student of medicine will grasp the advanced subjects forming the

groundwork of the course the more easily and with the better understanding just in proportion to the breadth and completeness of his preliminary education. This is especially true of the student who has added to his physics and chemistry a sufficient knowledge of general biology, which though not required is an essential part of a thorough medical education. The attention of students is particularly called to the regulations of Columbia College (see page 171) which permit a student to obtain a thorough preliminary training and at the same time to complete the requirements for the degree of A.B. or B.S. and the degree of M.D. in six years.

In the arrangement of the different branches of the medical instruction a logical order of the main themes and a co-ordination in the work of each department have been sought after, enabling the student to concentrate his attention upon some subject and to be so familiar with it that the allied subjects next to be taken up shall be readily understood. The salient features in the method of instruction are thorough laboratory training, frequent demonstrations, clinical teaching in the operating theatres and at the bedside as well as in the dispensaries, with recitations and didactic lectures to elucidate the many problems confronting the student.

Records of attendance and scholarship are kept, and before a student may advance with his class he must, besides passing a good examination in a subject, present certificates of satisfactory practical work.

In the first half of the first year the time of the student is devoted largely to anatomy. The instruction is carried on mainly by numerous demonstrations to sections and by long periods of uninterrupted work in the dissecting room. In this part of the year pharmacy laboratory work is begun, organic and physical chemistry is dealt with and taught by didactic lectures, recitations, and laboratory exercises, and histology is begun. In the second half of the first year the study of physiology is begun, for which the students have been prepared by a course in mammalian morphology. Physiology is taught by did actic lectures, demonstrations, recitations, and practical work in the laboratory. Physiological chemistry is studied in the laboratory and by lectures and recitations. Anatomy is continued and the course in histology and embryology is completed.

In the second year anatomy and physiology are completed. The lectures in materia medica are begun and lectures, recitations, and laboratory courses in pharmacology and bacteriology and hygiene are attended. As preliminary to the third and fourth years, recitations from text-books are held in medicine, obstetrics, materia medica, and surgery. For the second half of the second year the students are assigned to the laboratory for work in pathology and pathological anatomy, and attendance at autopsies is required.

During the third year recitations in medicine and surgery are con-

tinued and those in gynecology, diseases of children, and therapeutics are begun. There are didactic as well as clinical lectures in medicine, surgery, pharmacology and therapeutics, obstetrics, gynecology, neurology, genito-urinary diseases, laryngology, otology, ophthalmology, dermatology, orthopedic surgery and diseases of children. During the year the work in pathological anatomy and clinical pathology is completed. The class is divided into small sections for instruction in physical diagnosis, and in the special branches of medicine and surgery at the various dispensaries and hospitals.

The student in the fourth year spends most of his time in the hospitals and dispensaries of the city. Consequently, although a few general and clinical lectures are still given, the work is almost entirely practical and bedside instruction. Divided into small groups, the students continue to come into personal contact with patients, under the supervision of the instructor. In this way they have the opportunity to become familiar with the history of a case, to make a complete physical examination, to form a diagnosis, to give a prognosis, to advise treatment, and to watch progress.

In the course in surgery the witnessing of numerous major and minor operations is supplemented by an operative course in which the student himself performs on the cadaver many of the more common operations. For an obstetrical service, the unsurpassed facilities of the Sloane Maternity Hospital offer excellent opportunities. Here the student is required to live for two weeks and personally attend a certain number of cases of labor. The course is rounded out by personal instruction in the more special branches of medicine. In these branches the student is taught how to use many instruments of precision and to recognize and treat successfully many of the rarer forms of disease.

REQUIREMENTS FOR ADMISSION

To the First-Year Class

All candidates for the degree of Doctor of Medicine must present the medical-student certificate of the Regents of the University of the State of New York, *and must have obtained the same only on the basis of one or the other of the certificates named below:*

1. A certificate indicating (*a*) that the candidate has completed at least one full year's course of study in a college or scientific school, registered by the Regents as maintaining a satisfactory standard; (*b*) that he holds a bachelor's degree in arts or science, or its substantial equivalent conferred by any registered institution in France or Spain; (*c*) that he is graduated from a registered gymnasium in Germany, Austria, or Russia, or has completed a course of study equivalent thereto—as, for example, a course of five years in a registered Italian ginnasio and three years in a liceo.

2. A certificate of the result of an examination conducted in June of any year by the College Entrance Examination Board, or in January or September of any year under the auspices of the Columbia University Committee on Entrance Examinations, or in part for both of these, in the subjects enumerated below. These three sets of examinations are held upon the same requirements and are substantially the same in standard administration. Candidates may forward their credentials received from either or both of these examining authorities to the Examinations Division, State of New York Education Department, Albany, N. Y., and if they aggregate the necessary 15 points will receive in exchange therefor the medical-student certificate required for admission to the College of Physicians and Surgeons. No part of the requirements which a candidate may pass will be allowed to stand to his credit for a longer period than twenty-eight months.

The examination subjects from which the candidate for admission to the College of Physicians and Surgeons in 1908–09 must make his selections are as follows. (A "point" is regarded as being the equivalent of a course of study of five weekly periods throughout the academic year.)

The candidate *must* offer:	COUNTING IN POINTS
English	3
Elementary French or Elementary German	2
Elementary Latin (see page 161)	2
Elementary Mathematics	3
Elementary Physics	1
Inorganic Chemistry	1
Total	12

The 3 additional points may be offered from the following subjects, the only restriction being that to offer an advanced subject will involve offering, either at the same time or earlier, the corresponding elementary subject.

	COUNTING IN POINTS
Elementary French or Elementary German (see above)	2
Elementary Greek	3
Elementary History	2
Elementary Latin (see page 161)	2
Botany	1
Drawing	1
Physiography	1
Spanish	2
Zoölogy[1]	1
Intermediate French	1
Intermediate German	1

[1] Candidates will be examined in this subject only in January and September.

	COUNTING IN POINTS
Advanced Greek[1]	1
Advanced History[1]	1
Advanced Latin[1]	1
Advanced Mathematics	1
Advanced Physics[1]	1

For full definition of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see pages 154–163.

Admission with Conditions

Candidates who do not receive a grade at least C (fair—60 % to 75 %) in subjects amounting to at least 12 of the 15 points offered will be rejected.

Candidates who receive a grade of C (fair —60% to 75%) in subjects amounting to not less than 12 of the 15 points offered, will be admitted conditionally, under such stipulations as the Committee on Admissions of the Faculty of Medicine may impose; but, in every case, conditions imposed at entrance must be removed before the student is admitted to the second year of the course. Such candidates must submit to the Committee their credits from the College Entrance Examination Board and from the University Committee on Entrance Examinations of Columbia University on or before September 25, 1907.

To Advanced Standing

Admission may be granted to advanced standing at the beginning of the second or third year, and, with the special consent of the Faculty, of the fourth year.

Every applicant for advanced standing will be required (1) to present evidence of having had a sufficient preliminary education, meeting the requirements for admission to the first-year class; (2) to present satisfactory evidence of having attended, in a recognized medical school, courses reasonably equivalent to those already attended by the class to which he seeks admission; (3) to be examined for admission in all the subjects in which the said class shall have been examined already.

No certificate or diploma will be accepted in lieu of these examinations for advanced standing.

A candidate for admission to advanced standing at the beginning of the second or third year may be so admitted either unconditionally or conditionally. In the latter case, his admission will be upon the same terms as govern students who have pursued at this College the curriculum of the first or second year.

[1] Candidates will be examined in this subject only in January and September.

During the week before the opening of the academic year examinations in each subject of the curriculum of the Medical School will be held for delinquent students and for candidates for admission to advanced standing.

As Special Students

Students desiring to do special work at the College of Physicians and Surgeons may register at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation without full compliance with the terms of admission and graduation.

Special students will be required to present to the Committee on Admission before entrance evidence of (*a*) an adequate preliminary education, and (*b*) special fitness for the particular work they desire to pursue.

REQUIREMENTS FOR GRADUATION

Every candidate in the four-year course will be required before admission to the degree of M.D.:

1. To present satisfactory evidence, as required by law, of good moral character, and of having attained the age of twenty-one years.

2. To present evidence of having complied with the requirements for admission.

3. To have attained to satisfactory standing in the required studies of the four years of the curriculum. See table, page 213.

4. A candidate who shall have been admitted to advanced standing will be required to have spent not less than four academic years at the studies referred to in the clause next preceding; and to have complied successfully with the requirements for admission to advanced standing.

No two academic years which shall have begun during the same calendar year will be held to satisfy the requirements of the above clause.

The Degree of Master of Arts

The attention of students of Medicine is directed to Rule 10 of the Regulations for the Higher Degrees (page 169).

COURSE OF STUDY LEADING TO THE DEGREE OF M.D.

(A much more detailed summary will be found in the special *Announcement of the College of Physicians and Surgeons*)

First Year	Second Year	Third Year	Fourth Year
Chemistry (Physical and Organic) 51	Anatomy 51–52, 59–60, 61–62, 63–64, and 65	Pharmacology, Materia Medica, and Therapeutics 51, 55–56, 69–70.	Pharmacology, Materia Medica, and Therapeutics 52, 53–54, 58, 71–72
Anatomy 53–54, 55–56, 57–58, 66	Physiology 108	Practice of Medicine 51–52,[1] 53–54,[1] 57–58, 63–64	Practice of Medicine 53–54,[1] 55–56, 59–60, 61–62, 69–70, 71–72
Histology and Embryology 51–52	Pathology 54	Neurology 51[1]	Neurology 51, 53–54, 55–56, 58, and 60
Physiology 109	Bacteriology and Hygiene 51	Surgery 51–52, 53–54, 55–56, 57–58, 66, 67–68, 71–72, 73–74	Surgery 51–52, 53–54, 55–56, 59–60, 61–62, 63–64, 73–74
Biological Chemistry 102	Pharmacology, Materia Medica, and Therapeutics 59–60, 61–62, 63–64 and 65	Obstetrics 51	Orthopedic Surgery 53–54, 55–56, 57–58
Examinations upon the work of the first year	Obstetrics 53–54	Gynecology 52, 53	Obstetrics 55–56, 57–58
	Practice of Medicine 65–66, 67–68	Genito-Urinary Diseases 51–52, 53–54, 55–56	Gynecology 55–56, 57–58, 59–60
	Surgery 69–70	Ophthalmology 51–52, 53–54, 55–56	Dermatology 53–54
	Examinations upon the work of the second year	Otology 51	Diseases of Children 51, 52, 53–54, 59–60, 61–62
		Diseases of Children 51–52, 55–56, 57	Laryngology 57–58
		Clinical Pathology 52	Otology 53–54, 55–56
		Orthopedic Surgery 51–52	Clinical Pathology 53–54
		Dermatology 51	*Examinations upon the work of the fourth year*
		Laryngology 52, 53–54, 55–56	
		Pathological Anatomy, 55–56	
		Examinations upon the work of the third year	

[1] In all subjects which are not completed in a single year, the instruction offered to a given student is different each year.

Consult the departmental statements (pp. 41–153) for:
(1) The scope of each course, the number of hours required for it, and the instructors giving it;
(2) Information regarding the courses open to special (graduate) students in medicine;
(3) Courses which may be counted towards the degrees of A.M. and Ph.D.

SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES

See page 405

EQUIPMENT AND COLLECTIONS

Detailed information as to the laboratories, collections, and other facilities for study will be found in the statements of the various departments of instruction, pages 41–153, and more fully in the *Announcement of the College of Physicians and Surgeons.*

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN NEW YORK STATE

For information, see the *Announcement of the College of Physicians and Surgeons.*

SUMMER SESSION IN MEDICINE

Practical courses in medicine, varying from three to six weeks in length, for the benefit of practising physicians who desire opportunities for additional study and investigation, as well as for properly qualified students of medicine and surgery, are given in June, July, and August of each year.

A general statement of the work offered will be found in connection with the statement of the Summer Session (see the Table of Contents), this volume, and a detailed announcement, showing the scope of each course, the conditions under which it is given, and the fee charged, will be sent upon application to the Secretary of Columbia University, New York City.

Students who have satisfactorily completed the practical clinical courses in this Summer Session may be excused from equivalent courses required for the degree of M.D.

c - certificate filed
- Hospital appointments.

REGISTER OF STUDENTS

School of Medicine

FOURTH YEAR—CLASS OF 1908

AXELRAD, JACOB, B.S. C. C. N. Y. 1902.....Brooklyn, N. Y.
BAEGEL, MAX.....New York City
BAEHR, GEORGE.....New York City
BARNETT, NATHANIEL.....New York City
BATES, EDWIN CASSIUS.....St. Stephen, N. B.
BLAKELY, STUART BANYAR, A.B. Hamilton 1903, A.M. 1906.....Otsego, N. Y.
BLOOMGARDEN, AARON SAMUEL.....Bayonne, N. J.
BOWERS, WESLEY CREVELING, A.B. Princeton 1904.....Washington, N. J.
BRENNER, EDWARD CHRISTOPHER, A.B. C. C. N. Y. 1904.....New York City
BROWN, FRANCIS EARL, B.S. Illinois Wesleyan 1903.....Los Angeles, Cal.
BROWNELL, EVERETT GARNSEY, A.B. Union 1900.....Boston, Mass.
BURKE, RUSH PEARSON.....Montgomery, Ala.
B.Sc. Alabama Polytechnic Institute, 1903, M.Sc., 1904
BURNETT, THOMAS WARD.....Summit, N. Y.
CANTO, ISIDRO HERRERA, B.S. Boston 1900.....Merida, Yucatan, Mexico
CARLUCCI, GASTON ARTHUR.....New York City
CASSEBEER, ALFRED FREDERICK.....Rochester, N. Y.
CASSINI, HERMAN CÆSAR.....Orange, N. J.
COBLE, MORRIS SOLOMON, A.B. C. C. N. Y. 1902.....New York City
COMMORATO, JOHN RALPH.....New York City
DUDLEY, LIONEL ELWOOD, A.B. Colby 1903.....Mapleton, Me.
FARRELL, JOHN RAYMOND.....New York City
FELDMAN, JOEL WILLIAM.....New York City
FERNANDEZ, FRANCISCO MARIA Y HERNANDEZ.....Bolondron, Matanzas, Cuba
B.S. Univ. Havana 1901
FOLSOM, RALPH PARKER, A.B. Dartmouth 1897.....Oldtown, Me.
FULDA, HARRY CHRISTIAN.....Brooklyn, N. Y.
FURST, SIDNEY, B.S. C. C. N. Y. 1902.....New York City
GEIST, SAMUEL HERBERT, A.B. C. C. N. Y. 1904.....New York City
GELB, LOUIS.....New York City
GOLDBERG, ABRAHAM.....Rockaway Beach, N. Y.
GRAVES, ARTHUR COON.....Adams Centre, N. Y.
GRAY, JOHN HENRY.....Port Murray, N. J.
GREENBERG, LOUIS, B.S. C. C. N. Y. 1904.....New York City
HANGARTER, ANDREW HENRY, A.B.....Brooklyn, N. Y.
Canisius College, Buffalo 1904, A.M. 1906.
HAYWARD, VINCENT SUMNER.....New York City
HERBERMANN, CHARLES GEORGE, JR., A.B. St. Francis Xavier 1904.....New York City
HUMPHREYS, GEORGE HOPPIN, Ph.B. Yale 1898.....New York City
HUNT, J. JAY.....Bayonne, N. J.
JOHNSON, TRAVIS JAMES AUGUSTUS, A.B. C. C. N. Y. 1904.....New York City
KLEINBERG, SAMUEL.....Brooklyn, N. Y.
KRAMER, ISAAC GOLDE, B.S. C. C. N. Y. 1899.....New York City
LEBER, OTTO HERMAN, A.B. 1904.....Hoboken, N. J.

LEVY, ISADORE JESSE, Ph.B. Syracuse 1904.....Syracuse, N. Y.
LITTENBERG, SAMUEL JOSHUA, A.B. C. C. N. Y. 1904.....New York City
MCCARTHY, CHARLES ALOYSIUS.....Lawrence, Mass.
MCCLUSKEY, RICHARD JOHN.....Lowell, Mass.
MCLEAN, CORNELIUS STAFFORD.....Newburgh, N. Y.
MICHAILOVSKY, BENJAMIN, B.S. C. C. N. Y. 1899.....New York City
MITCHELL, WILLIAM WRIGHT, M.D.....Olive Branch, Miss.
Memphis Hospital Medical College 1907
MONROE, OTHO LEE, B.S. Ohio Wesleyan 1904.....Galion, Ohio
NILSEN, ARTHUR, A.B. Yale 1904.....New York City
PERSHING, CYRUS LONG, B.S. Princeton 1889.....Pottsville, Pa.
PORTER, CHARLES HUNT, JR., A.B. Harvard 1892.....Newport, R. I.
RAMSDELL, EDWIN GEORGE, A.B. 1905.....New York City
REED, DUDLEY BILLINGS, A.B. Oberlin 1903.....Madison, Wis.
ROBERTS, WILLIAM HAWLEY.....Attleboro, Mass.
ROCKEY, PAUL.....Portland, Ore.
ROOME, CLARENCE TYLEY, A.B. Oberlin 1904.....Berwyn, Ill.
RUTLEDGE, WILLIAM CLOUD, A.B. Ohio Wesleyan 1903.....Duncan Falls, Ohio
SCHAEFFER, SAMUEL.....New London, Conn.
SIBBEL, ARMIN JOSEPH, A.B. St. John's, Fordham, 1904.....New York City
SILLECK, WALTER MANDEVILLE, B.S. New York Univ. 1904.....New York City
SIMONS, IRVING, B.S. Vanderbilt 1904.....Nashville, Tenn.
SLOANE, FRANCIS JOHNSTON, A.B. Princeton 1904.....New York City
SMITH, WALTER MONTY.....Glens Falls, N. Y.
SOPER, WILLARD BURR, A.B. Yale 1904.....Bloomington, Ill.
STRONG, ARCHIBALD MCINTYRE, A.B Princeton 1904.....New York City
STURTEVANT, MILLS GOVE, A.B. Dartmouth 1904.....Manchester, N. H.
TARBELL, FRANK WASHINGTON, A.B. Colby 1904.....Smyrna Mills, Me.
TEN BROOK, GLEN JOHN.....Rockville, Ind.
TOMPKINS, GRENELLE BERTRAM, A.B. 1905.....Paterson, N. J.
TOUART, MAXIMIN DE MOUY, A.B. Spring Hill College 1903, A.M. 1905....Mobile, Ala.
TURNER, PAUL AKERS, A.B. Amherst 1904.....Portland, Me.
VAIL, LEROY BENJAMIN, B.S. Dartmouth 1904.....Brooklyn, N. Y.
WARD, WILLIAM TRULOCK.....Willard City, Utah
WARING, ANTONIO JOHNSTON, A.B. Yale 1903.....Savannah, Ga.
WESSLER, HARRY, A.B. C. C. N. Y. 1902.....New York City
WHIPPLE, ALLEN OLDFATHER, B.S. Princeton 1904.....Duluth, Minn.
WHITNEY, GEORGE CROSIER, A.B. Rochester 1904.....Rochester, N. Y.
YERINGTON, HENRY HERBERT.....Carson, City, Nev.
ZELAYA, ANIBAL.....Managua, Nicaragua, C. A.
Fourth Year—Class of 1908.....80

THIRD YEAR—CLASS OF 1909

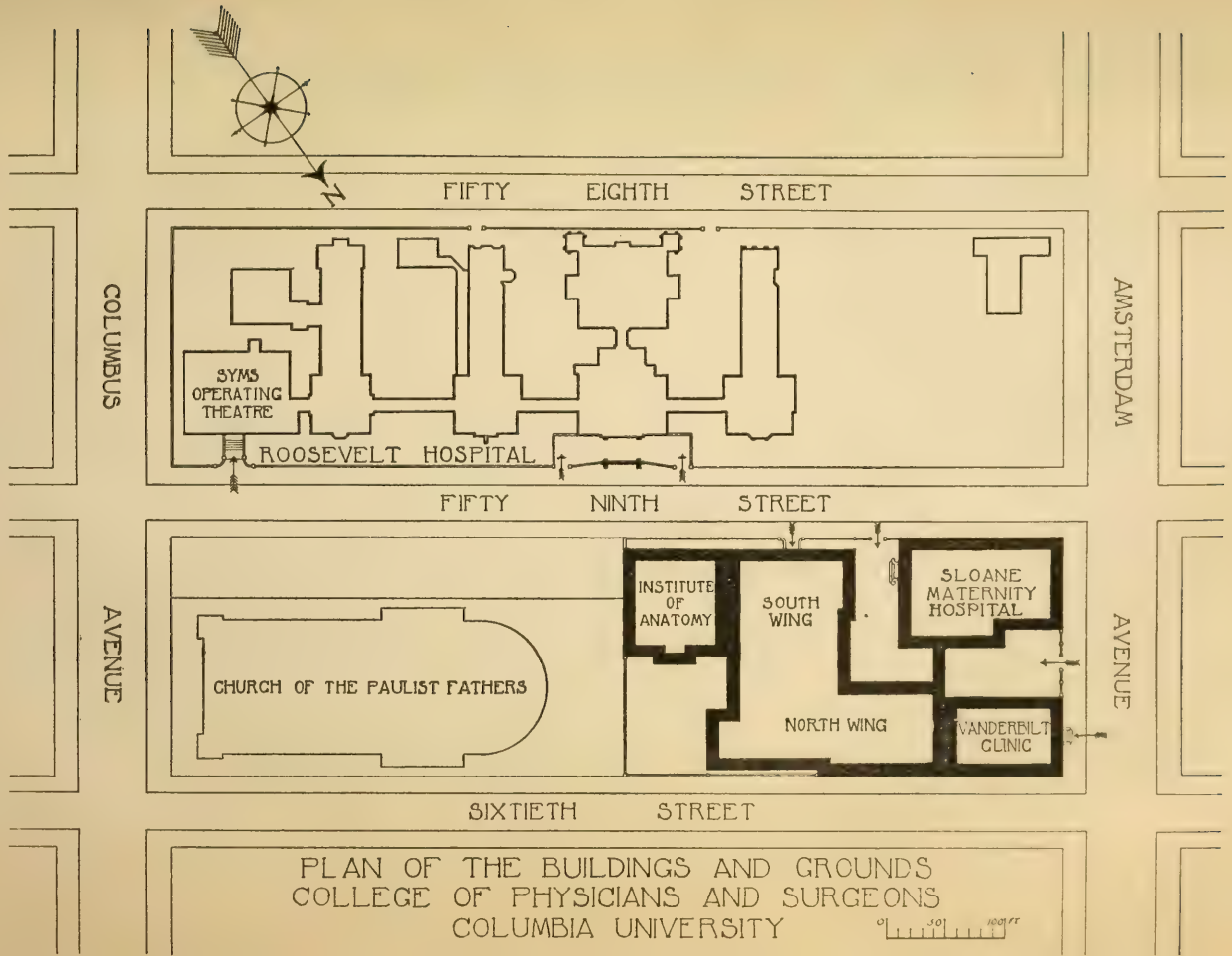
ABRONS, HARRY.....New York City
ADAMS, PHINEAS HILLHOUSE, A.B. Harvard 1905.....New York City
AMES, JAMES SIDNEY, Ph.B. Wesleyan 1905.....Binghamton, N. Y.
AYRES, DANIEL ROE, A.B. Harvard 1905.....Montclair, N. J.
BENDICK, ARTHUR JEROME.....Tompkinsville, S. I.
BENTON, NELSON KINGSBURY, A.B. 1906.....Newark, N. J.
BLOCK, ALVIN PHILLIP.....New York City
BLUM, HUGO.....New Brunswick, N. J.
BRADSHAW, WILLIAM, M., A.B. Princeton 1905.....New York City
BULKLEY, KENNETH, A.B. 1906.....New York City
BURNAP, SIDNEY ROGERS, A.B. Yale 1905.....Windsor Locks, Conn.
CAMPBELL, FRANCIS WILLIAM, A.B. St. John's, Brooklyn, 1905....Brooklyn, N. Y.
CASEY, JOHN FRANCIS.....New London, Conn.
CHILD, FRANK SAMUEL, JR., Ph.B. Hamilton 1903, Ph.M. 1906.....Fairfield, Conn.

COHN, SIDNEY, A.B. C. C. N. Y. 1905.....New York City
COWHERD, JOSEPH BIRD, B.S. Central University 1905.....Shelbyville, Ky.
ECHEVERRIA, FREDERICK JOHN, A.B. 1905.....New York City
EHRENREICH, SAMUEL.....New York City
ELLIOTT, EDSALL DUBOIS, A.B. 1906.....Catskill, N. Y.
EMSHEIMER, HERBERT, A.B. 1906.....Wheeling, W. Va.
ENGLISH, JOHN THEODORE, Ph.B. Lafayette 1905.....Elizabeth, N. J.
EVANS, EDWARD RICHARD, A.B. Hamilton 1905.....Remsen, N. Y.
EVANS, JOHN HINMAN, A.B. 1906.....Montclair, N. J.
FAUVER, EDGAR, A.B. Oberlin 1899.....Oberlin, Ohio
FAUVER, EDWIN, A.B. Oberlin 1899.....Oberlin, Ohio
FINDEISEN, WILLIAM ERNST.....Brooklyn, N. Y.
FOSHAY, JOHN RUSSELL.....Peekskill, N. Y.
FOWLER, ROBERT HENRY, A.B. 1906.....New York City
FULTON, CLIFFORD HARRY, A.B. Williams 1905.....New Rochelle, N. Y.
GOSSETT, ABRAHAM JOSEPH.....New York City
HALE, FRARAY, JR., B.S. Amherst 1905.....Wallingford, Conn.
HEATON, DWIGHT RUGGLES PERRY, A.B. Yale 1906....Riverdale-on-Hudson, N. Y.
HEWITT, RALPH HALLADAY, A.B. Amherst 1905.....New London, Conn.
HOFHEIMER, ALEXANDER, A.B. C. C. N. Y. 1905.....New York City
HYDE, CLARENCE ELMER, A.B. Stanford 1905.....Cupertino, Cal.
JANVRIN, EDMUND RANDOLPH PEASLEE, A.B. Princeton 1905.....New York City
JOHNSON, WILLIAM CLINTON, A.B. Williams 1905.....Summit, N. J.
KRAUSS, FLETCHER IRVIN, A.B. 1906.....East Orange, N. J.
KUTSCHER, SAMUEL, Ph.G., Ph.C. 1905 N. Y. Coll. of Phar'y...Stapleton, S. I., N. Y.
LANCER, JOHN JOSEPH.....New York City
LAVAKE, RAE THORNTON, A.B. Yale 1905.....Rosebank, S. I., N. Y.
LAVANDERA, MIGUEL.....Vega de Rivadeo, Spain
LYMAN, GEORGE DUNLAP, A.B. Stanford 1905.....Los Angeles, Cal.
MANDEVILLE, FRANK NESLER, Ph.B. Brown 1905.....Newark, N. J.
MAYER, LEO, A.B. Harvard 1905, A.M. 1906.....New York City
MCDONALD, JOHN OLIVER, A.B. Princeton 1905.....Englishtown, N. J.
MORRIS, DUDLEY HENRY, A.B. 1905.....New York City
MOTT, WALTER WESLEY, A.B. 1905.....New York City
OLSAN, HIRAM, Ph.B. Univ. Rochester 1905.....Rochester, N. Y.
PARDEE, HAROLD ENSIGN BENNETT, A.B. 1906.....New York City
PATON, FRED WADE, A.B. Hamilton 1905.....Bradford, Pa.
POPPER, JOSEPH.....New York City
RAINSFORD, LAURENCE FREDERICK, A.B. Harvard 1904.....New York City
RANSON, ALONZO AINSWORTH, A.B. Rutgers 1901, A.M. 1904.....Havana, Ill.
RICHARDSON, CHARLES HYATT, JR., Ph.B. Emory 1904.....Montezuma, Ga.
ROSENBLOOM, JACOB, B.S. Western Univ. Penn. 1905.....Braddock, Pa.
ROSENSOHN, MEYER., B.S. C. C. N. Y. 1901.....New York City
ROSENTHAL, LEO BROOKS, A.B. 1906.....New York City
SCHAIE, MILTON.....New York City
SHANLEY, THOMAS JAMES.....New Haven, Conn.
SMITH, FRANK CARLIER.....Brooklyn, N. Y.
ST. JOHN, FORDYCE BARKER, B.S. Princeton 1905.....Hackensack, N. J.
STEINER, STANLEY HAROLD, A.B. 1906.....New York City
STORK, VICTOR EYTINGE, A.B. Stanford 1905.....Seattle, Wash.
SULLIVAN, ARTHUR GEORGE.....Eau Claire, Wis.
VIÑA, TOMAS ANTONIO Y ALMAZAN.....Santiago de Cuba, Cuba
WADE, SIMON FRANKLIN, A.B. Princeton 1905.....Hackettstown, N. J.
WALTHER, JOHN WOODWARD.....Astoria, L. I., N. Y.
WARDNER, DREW MALLON.....Pelham Manor, N. Y.
WEST, DAVENPORT, A.B. Princeton 1905.....Galveston, Texas
WHITE, JOHN LAURENCE, A.B. St. Francis Xavier 1899, A.M. 1900..Perth Amboy, N. J.

Wieselthier, Maurice Louis, A.B. C. C. N. Y. 1905.....New York City
Wilkerson, Fred Wooten.....Montgomery, Ala.
Wronker, Benno Maurice, A.B. 1906.....New York City
Yergason, Robert Moseley.....Hartford, Conn.
Zimmermann, Harry Bernard.....St. Paul, Minn.
Third year—Class of 1909.....76

SECOND YEAR—CLASS OF 1910

Bannon, William Joseph.....Westerly, R. I.
Baumann, Oscar Israel, A.B. C. C. N. Y. 1906.....New York City
Beck, David.....New York City
Bell, Harold Kennedy, A.B.....Flushing, L. I.
Beller, Abraham Jacob, B.S. C. C. N. Y. 1906.....New York City
Bender, Theodore.....Paterson, N. J.
Bibby, Harry Lambert.....Paterson, N. J.
Blaber, Murtha Paul, A.B. St. Francis 1906.....Brooklyn, N. Y.
Blum, Julius, A.B. 1906.....New York City
Bockshitzky, Solomon.....Slutzk, Russia
Brown, Frederick Lane, A.B. Princeton 1905.....Somerville, N. J.
Campus, Ellis, B.S. C. C. N. Y. 1906.....New York City
Cohen, Harold Aaron, B.S. C. C. N. Y. 1906.....New York City
Cohen, Samuel, A.B. C. C. N. Y. 1906.....New York City
Cole, Philip Gillett.....Helena, Mont.
Devendorf, Frederick Christopher, B.S.....Herkimer, N. J.
St. Lawrence University 1905
Dieterich, Frederick Henry.....New York City
Donnelly, Joseph Edward, A.B. St. Francis Xavier 1903.....New York City
Falkowitz, Henry Charles.....New York City
Feldstein, George Moses.....Kholmsk, Russia
Ford, James Smith.....Newark, N. J.
Freeman, Anthony Curt, A.B. Stanford 1906.....Chicago, Ill.
Friedson, Morris, A.B. C. C. N. Y. 1902.....New York City
Fuhrman, Herman Charles.....Brooklyn, N. Y.
Furman, Benjamin Applegate, A.B. Princeton 1906.....Newark, N. J.
Goldberg, Victor, B.S. C. C. N. Y. 1906.....New York City
Goodfriend, Harry.....New York City
Gottlieb, Abraham.....Riga, Russia
Henes, Edwin, Jr., A.B. 1907.....New York City
Hildreth, William Warren, A.B. Princeton 1906.....Southampton, L. I.
Hoyt, Randal Edward, B.S. Princeton 1905.....St. Louis, Mo.
Hubbard, Thomas Brannon, A.B. Washington and Lee 1906...Montgomery, Ala.
Ill, Edgar Alexander, B.S. Princeton 1906.....Newark, N. J.
Jackson, James Albert, Jr.....Madison, Wis.
Lebendig, Abraham.....Rochester, N. Y.
Long, William Bayard.....Spring Lake, N. J.
McAlpin, Kenneth Rose, A.B. Princeton 1905, A.M. 1906.....Ossining, N. Y.
McBurney, Malcolm, A.B. Harvard 1906.....New York City
McCreery, John Alexander, A.B. Harvard 1906, A.M. 1907.....New York City
McKay, Walter Wyatt, A.B. Oberlin 1905.....Sharon, Pa.
Martland, Ralph, A.B.....Newark, N. J.
Mixsell, Harold Ruckman, A.B. Princeton 1906.....Easton, Pa.
Moore, Francis William, Jr.....Brooklyn, N. Y.
Neergaard, Arthur Edwin, A.B. Yale 1904.....Concord, N. H.
Pascale, Vincenzo.....New York City
Perkins, Edward Carter, A.B. Yale 1898.....Yonkers, N. Y.
Poll, Daniel.....Brooklyn, N. Y. (Senior)


N
FIFTY EIGHTH STREET
COLUMBUS AVENUE
AMSTERDAM AVENUE
SYMS OPERATING THEATRE
ROOSEVELT HOSPITAL
FIFTY NINTH STREET
CHURCH OF THE PAULIST FATHERS
INSTITUTE OF ANATOMY
SOUTH WING
SLOANE MATERNITY HOSPITAL
NORTH WING
VANDERBILT CLINIC
SIXTIETH STREET
PLAN OF THE BUILDINGS AND GROUNDS
COLLEGE OF PHYSICIANS AND SURGEONS
COLUMBIA UNIVERSITY

PORTER, EDWARD EVELYN.....New York City (Senior)
REED, HOWARD BECK, B.S. Princeton 1906.....Seabright, N. J.
REIDY, MAURICE JOSEPH.....Winsted, Conn.
RIDGE, FRANK ISAAC.....Kansas City, Mo.
ROSENBAUM, CHARLES.....New York City
ROSS, CARL THORBURN, A.B. Stanford 1906.....Astoria, Ore.
*SANFORD, CHARLES HENRY.....New York City
SWEENEY, MORRIS MOTT, B.S. Colgate 1903.....Hamilton, N. Y.
SWICK, DAVID AARON, B.S. C. C. N. Y. 1899.....New York City
SWIFT, PERCY EDWARD.....New York City
TERRY, ARTHUR HUTCHINSON, JR. A.B. Yale 1906.....Patchogue, L. I.
TOOKER, NORMAN BROWN, A.B. Princeton 1906.....East Orange, N. J.
UTTER, HENRY EDWIN, A.B. Amherst 1906.....Westerly, R. I.
VAN ETTEN, ROYAL CORNELIUS, A.B. Amherst 1906.....Rhinebeck, N. Y.
WARREN, EDMUND LEVINGS.....St. Paul, Minn.
WEBSTER, DAVID HENRY, A.B. Acadia 1906.....Cambridge Station, Nova Scotia
WEINGART, JULIUS SHAW, A.B. Tarkio 1905.....Clearfield, Iowa
WIENER, HERBERT JOSEPH, A.B. Harvard 1906.....New York City 116
WILDS, ROBERT HENRY, B.S. South Carolina College 1904.....Columbia, S. C.
WORCESTER, JAMES NEWBEGIN, A.B. Amherst 1906.....Bloomfield, N. J.

Second Year—Class of 1910.....67

FIRST YEAR—CLASS OF 1911

ACKERMAN, PHILIP CRAMPTON, A.B. Harvard 1906.....Brooklyn, N. Y.
ACKERMAN, STEPHEN HULBERT, JR., A.B. Harvard 1907.....Brooklyn, N. Y.
ALEXANDER, HUGO, B.S. New York University 1907.....Hoboken, N. J.
ALLING, FREDERIC AUGUSTUS, B.S. Princeton 1907.....Newark, N. J.
ANDERTON, WALTER PALMER, A.B. (June 1908) Harvard.....New York City
ASHE, JOHN RAINEY, Graduate of S. C. Military Academy.....Yorkville, S. C.
BISCH, LOUIS EDWARD, A.B. 1907.....Brooklyn, N. Y.
BLUE, JAMES PATRICK, A.B.....New York City
St. Francis Xavier 1907 (withdrew Sept. 26)
BRUCKHEIMER, RALPH MONROE.....New York City
CHILIAN, STEPHEN A.....New York City
COBB, WATLER FRANK, Bach. of Physical Education.....Attleboro, Mass.
DEBON, AMÉDÉE JOSEPH.....New York City
DONOVAN, FLORENCE TIMOTHY, A.B.....Port Richmond, S. I., N. Y.
St. Francis Xavier 1907 (withdrew Sept. 26)
DE PASSE, ALFRED BERNARD CAMILLE.....New York City
DUSTIN, EDGAR GERALD.....Saranac Lake, N. Y.
EISLER, SAMUEL.....New York City
ERNST, EDWARD CRANCH.....Wilmette, Ill.
ESSIG, FRANK THEODORE.....Newark, N. J.
GOODWIN, NELSON ALOYSIUS.....New York City
GRACE, RODERICK VINCENT, A.B., C. C. N. Y. 1904.....New York City
GRAY, JOHN WESLEY.....Maine, N. Y.
HAAKE, CHARLES HENRY GRUBB.....New York City
HALL, FAIRFAX, Ph.B., Yale 1907.....Binghamton, N. Y.
HERZFELD, MELVIN GUSTAV.....New York City
HEYWARD, NATHANIEL BARNWELL, A.B., University of S. C. 1907.....Columbia, S. C.
HILL, JAMES FITTS.....Montgomery, Ala.
HOBBS, AUSTIN LATTING, A.B., Princeton 1907.....East Orange, N. J.
HUBBARD, RALPH HUSTACE, A.B. 1905.....New York City
JENNINGS, EDWARD ALLEN, Ph.B. Wesleyan, Conn. 1907.....New York City
JONES, GLEN GIBSON.....Wa-Keeney, Kansas
KNAPP, ROBERT PHINEAS.....Saratoga Springs, N. Y. 136

* Name changed by Judge Brady, N. Y. Supreme Court

LANGSTAFF, BRIDGEWATER MEREDITH, A.B. (June 1908) Harvard...Brooklyn, N. Y.
LANGWORTHY, HOWARD TRACY.....West Edmeston, N. Y.
LEVIN, LOUIS ABE OSCAR.....New York City
LEWIS, FRED RAYMOND, Ph.B. University of Rochester 1907.....Charlotte, N. Y.
LYNCH, KEVIN DAVID, A.B. St. Peter's College, N. J. 1907.....West Hoboken, N. J.
MCKINLAY, CHARLES MILES, A.B. 1907.....Tenafly, N. J.
MACGUIRE, CONSTANTINE JOSEPH, JR., A.B. Yale 1907.....New York City
MOUNT, GUY, A.B. University of Oregon, 1907.....Silverton, Oregon
MURRAY, VANCE BISHOP.....Fordham, N. Y.
NAUGHTON, HENRY JOSEPH, A.B. Holy Cross, 1906.....Worcester, Mass.
O'CONOR, JOSEPH AUGUSTINE.....New York City
PAFFARD, HOWARD THOMAS, A.B. Williams 1907.....Southport, Conn.
PETERSEN, LEO SMITH.....New York City
PHIPPS, HOWARD MORTON, A.B. Colgate 1907.....East Rockaway, L. I.
PRATT, EDWARD LEANDER, A.B. Yale 1907.....Lewiston, Me.
ROBERT, DANIEL RUTGERS, Litt.B., Princeton 1907.....Brooklyn, N. Y.
ROBINSON, LEWIS BYRNE, A.B. Harvard, 1907.....Oyster Bay, L. I.
SCHROEDER, LOUIS CLAUSEN.....New York City
SCOTT, FREDERICK WILSON, A.B. Rutgers 1907.....New Brunswick, N. J.
SHAPIRO, ISIDOR F.....New York City
SHEINMAN, LOUIS.....New York City
SPIERS, HOMER WALDO, A.B. Oberlin 1907.....Oberlin, Ohio
STEHL, HARRY JACOB.....New York City
STOWELL, DAVID DUDLEY, A.B. Colgate 1907.....New York City
SULLO, NICHOLAS ALFRED.....New York City
SUMNER, CYRIL, A.B. Yale 1907.....Rochester, N. Y.
TOWNSEND, JOHN WRIGHT.....Lockport, N. Y.
VIETOR, JOHN ADOLF, A.B. Yale 1907.....New York City
WARD, MARK HOPKINS, A.B. Amherst 1906.....Medford, Mass.
WELLINGTON, HAROLD WENTWORTH.....Braintree, Mass.
WURTHMANN, JOHN WILLIAM, Phar.D., N. Y. Coll. of Pharmacy 1906. New York City

BARBER, WM. HOWARD—Junior from Columbia College.....Brooklyn, N. Y.
BESSIE, ABRAHAM—Senior from Columbia College.....Wahpeton, North Dakota
BISHOP, FRANK WARNER—Junior from Columbia College.....New York City
CHENEY, CLARENCE ORION—Senior from Columbia College.....New York City
COBB, JAMES LIVINGSTON—Junior from Columbia College.....Brooklyn, N. Y.
COHEN, IRA—Junior from Columbia College.....New York City
COMBES, ABBOTT CARSON, JR.—Senior from Columbia College.....Elmhurst, N. Y.
GOODWIN, GEORGE MUNRO—Junior from Columbia College..Tompkinsville, S. I., N. Y.
MILLER, HYMAN RUDOLPH—Senior from Columbia College.....Brooklyn, N. Y.
ROTHSCHILD, MARCUS ADOLPHUS—Senior from Columbia College....Woodville, Miss.

First Year—Class of 1911	62
Juniors and Seniors from Columbia College	10
	72

NON-MATRICULATED STUDENTS

BALLANCE, CHARLES,...M.D.....Tacoma, Wash.
CARLIN, JULIUS ELIAS, B.S.....New York City
N. Y. University, D.D.S., N. Y. College of Dentistry
GALLAGHER, JAMES THOMAS, A.B., A.M., M.D.....Brooklyn, N. Y.
GASSIDE, CHARLES ZEH, M.D.....New York City
GRUBE, CHARLES HENRY, M.D.....New York City
LEVY, WILLIAM VICTOR, M.D.....Hackensack, N. J.
LOVE, ANDREW JACKSON, M.D. Meharry Med. Coll. Tenn. 1890.....Canton, Miss.
PERKINS, CHARLES EDWIN, M.D.....New York City
SAYRE, HARRY CLINTON, M.D.....Warwick, N.Y.

SHERIDAN, JOSEPH MORTON.....New York City
STANABACK, ERNEST COURSEN.....Newark, N. J.
STEINFELDER, JACOB JEROME, M.D.....New York City
WENDEL, BENJAMIN FRANKLIN, M.D.....Sioux City, Iowa
Sioux City Coll. of Medicine 1906.
Non-matriculated..... 13

SUMMARY

Fourth Year—Class of 1908	80
Third Year—Class of 1909.....	76
Second Year—Class of 1910	67
First Year—Class of 1911.....	62
Non-matriculated (Special Students).....	13
	298
Juniors and Seniors from Columbia College.	10
Total.....	308

N.Y. State - 166.

THE SCHOOLS OF MINES, ENGINEERING, AND CHEMISTRY

The Faculty of Applied Science

Officers of the Faculty

FREDERICK ARTHUR GOETZE, M.Sc.....*Dean*
RALPH EDWARD MAYER, C.E.....*Secretary*
HENRY S. MUNROE, E.M., Ph.D., Sc.D.....*Elected Delegate to the University Council*

Standing Committees

COMMITTEE ON ADMINISTRATION: The Dean (Chairman), Professors Van Amringe, Peele, Lovell, Sever.

COMMITTEE ON ADMISSIONS: Professors Maclay (Chairman), Mayer, Luquer, Stoughton, and Tucker.

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., (Cantab.) Litt.D. (Oxon.), *President*
FREDERICK A. GOETZE, M.Sc.....*Dean*
J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D.....*Professor of Mathematics*
CHARLES F. CHANDLER, Ph.D., M.D., LL.D., Sc.D..*Mitchill Professor of Chemistry*
HENRY S. MUNROE, E.M., Ph.D., Sc.D.....*Professor of Mining*
ALFRED J. MOSES, E.M., Ph.D.....*Professor of Mineralogy*
JAMES F. KEMP, E.M., Sc.D.....*Professor of Geology*
ROBERT PEELE, E.M.....*Professor of Mining*
WILLIAM HALLOCK, Ph.D.....*Professor of Physics*
FRANCIS B. CROCKER, E.M., Ph.D..*Professor of Electrical Engineering*
MICHAEL I. PUPIN, Ph.D., Sc.D.....*Professor of Electro-Mechanics*
WILLIAM H. BURR, C.E.....*Professor of Civil Engineering*
THOMAS SCOTT FISKE, Ph.D.....*Professor of Mathematics*
HAROLD JACOBY, Ph.D.....*Rutherfurd Professor of Astronomy*
HENRY M. HOWE, A.M., B.S., LL.D.....*Professor of Metallurgy*
CHARLES E. PELLEW, E.M.....*Adjunct Professor of Chemistry*
EARL B. LOVELL, C.E.....*Professor of Civil Engineering*
CHARLES R. RICHARDS, B.S..*Macy Professor of Manual Training in Teachers College*
GEORGE FRANCIS SEVER, M.Sc.....*Professor of Electrical Engineering*

JAMES MACLAY, C.E., Ph.D.....*Professor of Mathematics*
MARSTON TAYLOR BOGERT, A.B., Ph.B.....*Professor of Organic Chemistry*
J. LIVINGSTON RUTGERS MORGAN, Ph.D.....*Professor of Physical Chemistry*
AMADEUS W. GRABAU, S.D.....*Professor of Palæontology*
IRA H. WOOLSON, E.M.....*Adjunct Professor of Civil Engineering*
RALPH EDWARD MAYER, C.E.....*Adjunct Professor of Engineering Drafting*
CASSIUS JACKSON KEYSER, Ph.D.....*Adrain Professor of Mathematics*
HERSCHEL C. PARKER, Ph.B.....*Adjunct Professor of Physics*
GEORGE L. MEYLAN, A.M., M.D.....*Adjunct Professor of Physical Education*
LEA MCILVAINE LUQUER, Ph.D.....*Adjunct Professor of Mineralogy*
BRADLEY STOUGHTON, B.S.....*Adjunct Professor of Metallurgy*
JAMES S. C. WELLS, Ph.D...*Adjunct Professor of Analytical Chemistry*
JOSEPH C. PFISTER, A.M.....*Adjunct Professor of Mechanics*
HENRY CLAPP SHERMAN, Ph.D.....*Professor of Organic Analysis*
ALBERT P. WILLS, Ph.D.....*Adjunct Professor of Mechanics*
SAMUEL A. TUCKER, Ph.B.....*Adjunct Professor of Electro-Chemistry*
ADOLPH BLACK, C.E.....*Adjunct Professor of Civil Engineering*
CHARLES E. LUCKE, M.S., Ph.D. *Adjunct Professor of Mechanical Engineering*
WALTER RAUTENSTRAUCH, M.S.....*Adjunct Professor of Mechanical Engineering*
WILLIAM CAMPBELL, Ph.D., Sc.D..*Adjunct Professor of Metallography*

For other officers of instruction see pages 12–18

COURSES

The Faculty of Applied Science has charge of the following schools:

The SCHOOL OF MINES, with four-year courses leading to the degrees of Engineer of Mines and Metallurgical Engineer.

The SCHOOLS OF ENGINEERING, with four-year courses in Civil Engineering, Electrical Engineering, and Mechanical Engineering, the first two leading to the degree of Civil Engineer, and the others to the degree of Electrical Engineer and Mechanical Engineer, respectively.

The SCHOOL OF CHEMISTRY, with four-year courses leading to the degrees of Chemist and Chemical Engineer.

These courses are intended to meet the requirements of the several professions indicated. Many of the courses permit a certain amount of specialization, particularly in the fourth year.

ADMISSION

The Committee on Admissions of the Schools of Mines, Engineering,

and Chemistry has charge of all matters relating to this subject. Candidates for admission to the first-year class should be at least eighteen years of age at the time of matriculation. For further regulations see Admission to Columbia College, page 172

Collegiate Preparation Recommended

The liberal training offered by the preliminary Collegiate Course is quite as important to engineers, metallurgists, and chemists as to lawyers, physicians, or clergymen, and is strongly recommended by the Faculty of Applied Science. This, however, does not and should not involve a residence of eight years in college and technical school before a candidate receives the professional degree.

A graduate of any good college who has selected his course with reference to future work in applied science is able to complete the requirements for a degree in the Schools of Mines, Engineering, and Chemistry in less than four years after receiving the Bachelor's degree. The opportunities for close articulation between Columbia College and these schools are particularly good.

Requirements for Admission for Students without Collegiate Preparation

Every candidate must offer at the entrance examinations (see below) subjects amounting to fifteen "points." A point represents a course of five periods a week for one year in the secondary school.

The candidate *must* offer:

	COUNTING IN POINTS
Chemistry	1
Drawing	1
Elementary French *or* Elementary German	2
English	3
Mathematics	4
Physics	1

and three points from the following, subject to the restriction that to offer an advanced subject will involve offering either at the same time or earlier the corresponding elementary subject:

Elementary German *or* Elementary French	*see above* ... 2 points
Elementary Spanish	2 "
Elementary Latin	2 "
Intermediate French	1 point
Intermediate German	1 "
Ancient History	1 "
Modern and Mediæval History	1 "
American History	1 "
English History	1 "

Botany	1 point
Physiography	1 "
Zoölogy	1 "
Shopwork	1 "
Advanced Physics	1 "

All candidates for degrees of Engineer of Mines, Metallurgical and Chemical Engineer or Chemist, are recommended to offer Elementary and Intermediate German.

Admission to Advanced Standing

Candidates for admission from other universities or colleges, and those desiring to be admitted to advanced standing on examination, should make application as early as possible in writing to the Chairman of the Committee on Admission of the Schools of Mines, Engineering and Chemistry.

The application should be accompanied by:

1. A catalogue of the institution for work in which credit is desired. The courses which the candidate has completed must be distinctly marked in this catalogue.

2. Properly certified official statements of his standing in the subjects which he offers.

3. Letters or other evidence vouching for his character and honorable dismissal from the institution from which he comes.

Each candidate for a degree seeking admission to advanced standing must show that he has attained proficiency in the equivalents of:

1. The requirements for admission to the first-year class.

2. All the prescribed studies already pursued by the class to which he seeks admission.

A candidate may be admitted notwithstanding deficiencies in some of these studies, but no candidate will be recommended for a professional degree until he shall have completed all the studies required for that degree.

No applicant will be allowed to enter the fourth-year class as a candidate for a degree after October 15 in any year.

The Committee on Admission will notify the candidate by mail at the address[1] given in his letter what courses, of those offered, are accepted as equivalent to courses at Columbia University. The Committee gives credit for complete courses only. In cases where the work previously done by the candidate has not been accepted by the Committee, the candidate may present himself for examination during the week immediately preceding the opening of the University, in 1908, September 14–19, at the times and places at which the regular

[1] When the candidate is at a considerable distance from the University, his application should be made as early as possible in order that he may receive the reply in time to present himself at the University on September 14, 1908.

fall examinations are held. When no examination is scheduled for the course at this time, the candidate may present himself at the office of the Dean, who will arrange for the necessary examination. The schedule of fall examinations is to be obtained from the Registrar. A fee of $5 is charged for these examinations, to all applicants who do not take them at the regular time.

It is suggested that candidates deficient in one or more entrance subjects in June, or who desire to make up first and second year subjects, arrange to take courses in them in the Summer Session of Columbia University, beginning on July 7, 1908, the Announcement, a copy of which will be sent upon application to the Secretary of the University.

Admission to Special Courses

Graduates of the Schools of Mines, Engineering and Chemistry, and of other institutions of equal grade may pursue any subjects taught in the schools for which they are properly qualified.

Persons of mature age who are not graduates, but who show special qualifications, are sometimes permitted to pursue special courses, but this permission is not given to others. For the general regulations as to non-matriculated students, see corresponding section on page 174.

Registration and Fees

(See page 26, *et seq.*)

Fellowships and Scholarships

(See page 408)

Rules Governing Students

1. A student cannot be a candidate for more than one professional degree at the same time.

2. A candidate for a degree must comply with all requirements in force at the time said degree is conferred.

3. A student will be permitted to substitute one subject for another provided he obtains the consent of the Dean, the heads of departments concerned, and the head of the department giving the technical instruction leading to the degree.

4. A student absent from more than one-tenth of the required exercises will be debarred from examination in that subject. Exceptions may be made by the instructor for reasons of weight when the absences do not exceed one-fourth the total number of exercises.

5. After examinations have been held, officers shall send to the Registrar a list of all students who have attended their courses, indicating proficiency by numbers on a scale of 10, a mark below 6 signifying

a failure to pass. Students' records will be sent to them by the Registrar at the close of each year.

6. A student who has failed in any subject shall not be permitted to take advanced studies for which such failure indicates a lack of necessary preparation.

7. Regular examinations may be held at the end of the 1st and 2d term or both, or at the completion of any course.

8. Special examinations for students debarred or deficient at regular examinations shall be held during the two weeks in September preceding the opening of the next following academic year; and for members of the fourth class, in subjects belonging to that year only during the first week in May. In all special examinations, a mark of 7 is required to pass.

9. The fee for special examination is $5.00, which must be paid before admission to examinations. If a student have special examinations in several subjects (during the same examination period), only a single fee of $5 shall be paid.

10. A student failing to pass in any subject at the regular examinations must present himself for special examination as provided under 8. Failing to pass the second examination, he must repeat the subject with the next class. Failing a third time to pass a satisfactory examination he shall be dropped from the roll of the School.

11. Absence from any regular or special examination provided for in Rules 7 and 8 shall count as a failure unless excused by the Dean for reasons of weight.

12. A student shall be enrolled in the class in which the majority of his hours are taken; provided, however, that no student shall be advanced from the first to the second class who has entrance conditions aggregating 2 points; no student shall be advanced to the third class who has any entrance conditions or any deficiencies of the first year; no student shall be advanced to the fourth class who has any deficiency.

13. Any student who shall have passed a satisfactory examination in Columbia College in any subject forming a part of one of the professional courses in the Schools of Mines, Engineering, and Chemistry will not be required to pursue that subject a second time.

14. During vacations following the close of each year, memoirs on assigned subjects must be prepared by students in the course of Metallurgy, Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering, and Chemistry (see Departmental Statements, pages 41–153). The time specified for the completion and handing in of memoirs is the first Monday in November.

A student failing to hand in his memoir, drawings or other summer work shall be considered to have failed; to have his work received later, he will be obliged to pay a fee of $5.00, as for a special examination.

15. By permission of the Dean, and concurrence of the heads of departments concerned, a student may attend subjects not required for his degree, provided such attendance does not interfere with his regular work. He must fulfil all the requirements exacted from regular students in such course.

Equipment and Collections

Detailed information as to the laboratories, museums, collections, libraries, and other facilities for study and research will be found in the departmental statements as follows:

Chemistry, page 57.
Civil and Sanitary Engineering, page 62.
Electrical Engineering, page 80.
Geology, page 87.
Mechanical Engineering, page 109.
Metallurgy, page 111.
Mineralogy, page 113.
Mining, page 114.
Physics, page 136.

Chemical and Assay Apparatus

(See page 61)

OUTLINE OF PROFESSIONAL COURSES OF STUDY

(For details as to each course of study see the Departmental Statements, pages 41–153 of this volume.)

First Class	Second Class	Third Class	Fourth Class
General inorganic chemistry (Chem. 3–4)	Quantitative analysis (Chem. 66)	Assaying (Chem. 69)	Hydraulics (C. E. 78)
Qualitative analysis (Chem. 61–62)	Industrial chemistry (Chem. 81–82)	Resistance of materials (C. E. 53–54)	†Index fossils of North America (Geol. 16)
Spherical trigonometry (Math. 2)	Theory of railroad surveying (C. E. 23)	Testing laboratory (C. E. 55–56)	Geological examinations and surveys (Geol. 110)
Analytical geometry (Math. 3–4)	Elements of electrical engineering (E. E. 1)	Graphic statics (C. E. 64)	†Petrology (Geol. 201–202)
a Elements of mechanical drafting; Freehand lettering	Elements of the dynamo (E. E. 2)	Principles of electrical engineering (E. E. 68)	*The steam engine and boiler (M. E. 13–14)
b Projections	General geology (Geol. 5–6)	Direct current laboratory (E. E. 72)	*Motors other than steam (M. E. 24)
c Machine drafting—sketches, tracing	Differential and integral calculus (Math. 5–6)	Economic geology (Geol. 105–106)	Heat and its applications (M. E. 71)
d Topography	Analytical mechanics (Mech. 102)	Petrography (Geol. 4)	*Thermodynamics (Mech. 7)
Drafting 1–2	General physics (Phys. 3)	Analytical mechanics (Mech. 101)	Metallurgy of lead, silver, gold, zinc, etc. (Met. 3)
Descriptive geometry (Drafting 3–4)	Physical laboratory (Phys. 43)	Engineering of power plants (M. E. 69)	*Metallurgical laboratory (Met. 71–72)
General physics (Phys. 3–4)	Descriptive geometry (Drafting 3–4)	Experimental mechanical engineering (M. E. 76)	Mine surveying (Mining 55)
Gymnasium (Phys. Ed. A)	Structural drafting (Drafting 7–8)	Metallurgy of copper (Met. 1)	Mine engineering (Mining 56)
Theory of plane surveying (C. E. 2)	Gymnasium (Phys. Ed. B)	General metallurgy (Met. 2*a*)	Mine plant (Mining 71–72)
	Descriptive and determinative mineralogy (Min. 1–2)	Metallurgy of lead (Met. 2*b*)	Design of mine plant (Mining 75)
Summer work:		Optical mineralogy (Min. 6)	Graduating thesis or project (Mining 77–78)
Surveying practice (C. E. 15)	Summer work:	Excavation and tunnelling (Mining 51)	*Mill constructions (Mining 80)
	Surveying practice (C. E. 27)	Boring and shaft-sinking (Mining 52)	Ore dressing (Mining 81–82)
	Railroad surveying (C. E. 28)	Prospecting, exploration, etc. (Mining 54)	Ore dressing laboratory (Mining 82*a*)
		Mine constructions (Mining 70)	Administration (Mining 91–92)
		Summer work:	Mining law (Mining 94)
		Practical Mining (Mining 59)	Mining practice (Mining 95)

The First Class is identical for all courses.

* Mining option.
† Geological option.

First Class	Second Class	Third Class	Fourth Class
General inorganic chemistry (Chem. 3–4)	Industrial chemistry (Chem. 81–82)	Assaying (Chem. 69)	Physical chemistry (Chem. 121–122)
Qualitative analysis (Chem. 61–62)	Quantitative analysis (Chem. 66)	Metallurgy of copper (Met. 1)	Advanced inorganic chemistry (Chem. 167–168)
Spherical trigonometry (Math. 2)	Descriptive geometry (Drafting 3–4)	Electro-metallurgy and fuels (Met. 2*a*)	Metallurgy of lead, silver, gold, zinc, etc. (Met. 3)
Analytical geometry (Math. 3–4)	Structural drafting (Drafting 7–8)	Extension of Met. 1 (Met. 51)	Extension of Metallurgy 3 (Met. 53)
a Elements of mechanical drafting (Drafting 1–2)	General physics (Phys. 3)	Extension of Met. 2*a* (Met. 52)	Heat and its applications (M. E. 71)
b Projections (Drafting 1–2)	Physical laboratory (Physics 43)	Metallurgy of alloys (Met. 56)	The steam engine and boiler (M. E. 13–14)
c Machine drafting—sketches, tracing (Drafting 1–2)	Analytical mechanics (Mech. 102)	Metallurgical laboratory (Met. 171–172)	Ore dressing (Mining 81–82)
d Topography (Drafting 1–2)	General geology (Geol. 5–6)	Properties of materials (C. E. 7)	Ore dressing laboratory (Mining 82*a*)
Theory of plane surveying (C. E. 2)	Metallurgy of iron and steel (Met. 4)	Descriptive geometry (Drafting 3)	Mine administration (Mining 91–92)
Descriptive geometry (Drafting 3–4)	Differential and integral calculus (Math. 5–6)	Engineering of power plants (M. E. 12)	Metallurgical thesis (Met. 77–78)
General physics (Phys. 3–4)	Descriptive and determinative mineralogy (Min. 1–2)	Principles of electrical engineering (E. E. 68)	
Gymnasium (Phys. Ed. A)	Elements of electrical engineering (E. E. 1)	Direct current laboratory (E. E. 72)	
Summer work:	Elements of the dynamo (E. E. 2)	Prospecting, exploration, development, etc. (Mining 54)	
Surveying practice (C. E. 15)	Gymnasium (Phys. Ed. B)	Mine construction (Min. 70)	
	Summer work:	Analytical mechanics (Mech. 101)	
	Surveying practice (C. E. 27)	Thermodynamics (Mech 106)	
	Iron and steel works visits (Met. 64)	Resistance of materials (C. E. 53–54)	
		Testing of materials (C. E. 55–56)	
		Optical mineralogy (Min. 6)	
		Graphic statics (C. E. 64)	
		Economic geology (Geol. 105–106)	
		Summer work:	
		Non-ferrous works visits (Met. 62)	
		Geology field work (Geol. 112)	

The First Class is identical for all courses.

First Class	Second Class	Third Class	Fourth Class
General inorganic chemistry (Chem. 3–4)	General botany (Botany 7)	Geodesy (Ast. 105–106)	†Geodesy (Ast. 109)
Qualitative analysis (Chem. 61–62)	Industrial chemistry (Chem. 81–82)	Theory of railroad location (C. E. 51–52)	Hydraulics (C. E. 75)
Spherical trigonometry (Math. 2)	Road engineering (C. E. 21)	Resistance of materials (C. E. 53–54)	Kinematics of machinery (C. E. 79)
Analytical geometry (Math. 3–4)	*Elements of electrical engineering (E. E. 1)	Testing laboratory (C. E. 55–56)	Foundations (C. E. 85)
a Elements of mechanical drafting; Freehand lettering (Drafting 1–2)	*Elements of the dynamo (E. E. 2)	Masonry structures (C. E. 57–58)	‡Design of bridges and buildings (C. E. 87–88)
b Projections (Drafting 1–2)	General geology (Geol. 18)	Water supply and sewage (C. E. 59)	Railroad engineering (C. E. 89–90)
c Machine drafting—sketches, tracing (Drafting 1–2)	Differential and integral calculus (Math. 5–6)	Theory of trusses (C. E. 61)	Design and construction of sewers and irrigation (C. E. 94)
d Topography (Drafting 1–2)	Graphics (Drafting 5–6)	Graphic statics (C. E. 62)	Water supply and river and harbor improvements (C. E. 98)
Theory of surveying (C. E. 2)	Structural drafting (Drafting 7–8)	Principles of electrical engineering (E. E. 68)	The steam engine and boiler (M. E. 13–14)
Descriptive geometry (Drafting 3–4)	Analytical mechanics (Mech. 102)	Direct current laboratory (E. E. 72)	Motors other than steam (M. E. 24)
General physics (Phys. 3–4)	Metallurgy of iron and steel (Met. 4)	Engineering of power plants (M. E. 12)	Heat and its applications (M. E. 71)
Gymnasium (Phys. Ed. A)	Minerals of building stones (Min. 5)	Kinematics of machinery (M. E. 35)	Experimental mechanical engineering (M. E. 76)
Summer work: Surveying practice (C. E. 15)	Forging (Shop 3)	Analytical mechanics (Mech. 101)	Graduation thesis (C. E. 100)
	Bench-work (Shop 4)	Thermodynamics (Mech. 106)	
	General physics (Phys. 3)	Summer work: Geodesy (Ast. 107); Railroad surveying (C. E. 71)	
	Physical laboratory (Phys. 43–44)		
	Gymnasium (Phys. Ed. B)		
	Summer work: Surveying practice (C. E. 25); Hydrographic surveying (C. E. 26)		

The First Class is identical in all courses.

* Students in Sanitary Engineering do not take these courses, but must take instead Civil Engineering 14 and General Biology.

† Students in Sanitary Engineering must offer in addition microscopy.

‡ Students in Sanitary Engineering take only 87.

COURSE IN MECHANICAL ENGINEERING

First Class	Second Class	Third Class	Fourth Class
General inorganic chemistry (Chem. 3–4)	Industrial chemistry (Chem. 81–82)	Direct current laboratory (E. E. 73)	Alternating-current laboratory (E. E. 75)
Qualitative analysis (Chem. 61–62)	Elements of electrical engineering (E. E. 1)	Dynamo and motor practice (E. E. 101)	A. C. Currents and A. C. distribution (E. E. 103)
Spherical trigonometry (Math. 2)	Elements of the dynamo (E. E. 2)	D. C. Electric distribution (E. E. 104)	Electrical distribution (E. E. 105)
Analytical geometry (Math. 3–4)	Differential and integral calculus (Math. 5–6)	Properties of materials (C. E. 7)	Valve gears and governors (M. E. 15)
a Elements of mechanical drafting, Freehand lettering (Drafting 1–2)	Graphics (Drafting 5–6)	Applied thermodynamics (M. E. 17–18)	Steam engine design (M. E. 19–20)
b Projections (Drafting 1–2)	Structural drafting (Drafting 7–8)	Experimental engineering (M. E. 31–32)	Gas engines (M. E. 21–22)
c Machine drafting—sketches, tracing (Drafting 1–2)	Engineering of power plants (M.E. 11)	Kinematics of machinery (M. E. 35–36)	Power plant lay-out and specification (M. E. 25–26)
d Topography (Drafting 1–2)	Bench-work (Shop 4)	Engineering design and drafting (M.E. 39–40)	Experimental engineering (M. E. 33)
Descriptive geometry (Drafting 3–4)	Forging (Shop 3)	Mechanics of materials (M. E. 37)	Workshop economics and specifications (M. E. 52)
General physics (Phys. 3–4)	Analytical mechanics (Mech. 102)	Design of special machinery (M. E. 41–42)	Steam turbines
Gymnasium (Phys. Ed. A)	Metallurgy of iron and steel (Met. 4)	Hydraulic machinery (M. E. 46)	Water wheels
Theory of surveying (C. E. 2)	General Physics (Phys. 3)	Works management (M. E. 54)	Graduation thesis (M. E. 99)
Summer work:	Physical laboratory (Phys. 43–44)	Thermodynamics (Mech. 106)	
Surveying practice (C. E. 15)	Gymnasium (Phys. Ed. B)	Analytical mechanics (Mech. 101)	
	Summer work:	Steam machinery (M. E. 13–14)	
	Machine tool work (Shop 4S)	Summer work:	
	Drafting room practice (M. E. 94S)	Power plant practice (M. E. 96S)	

The First Class is identical for all courses.

First Class	Second Class	Third Class	Fourth Class
General inorganic chemistry (Chem. 3–4)	Quantitative analysis (Chem. 65)	Resistance of materials (C. E. 53–54)	Theoretical electro-chemistry (Chem. 37)
Qualitative analysis (Chem. 61–62)	Industrial chemistry (Chem. 81–82)	Testing laboratory (C. E. 55–56)	Industrial electro-chemistry (Chem. 183–184)
Spherical trigonometry (Math. 2)	Graphics (Drafting 5–6)	Theoryof the dynamo (E. E. 51)	Hydraulics (C. E. 77)
Analytical geometry (Math. 3–4)	Structural drafting (Drafting 7–8)	Design of direct-current machinery (E. E. 52)	Design of alternating-current machinery (E. E. 54)
a Elements of mechanical drafting; Freehand lettering; *b* Projections; *c* Machine drafting—sketches, tracing; *d* Topography (Drafting 1–2)	Elements of electrical engineering (E. E. 1)	Dynamo and motor practice (E. E. 101)	Electric power (E. E. 103)
	Elements of the dynamo (E. E. 2)	Electrical plants (E. E. 104)	Electrical distribution (E. E. 105)
	Differential and integral calculus (Math. 5–6)	Direct current laboratory (E. E. 173–174)	Management of electrical plants (E. E. 106)
	Properties of materials (C. E. 6)	Engines and boilers (M. E. 13–14)	Telegraph and telephone (E. E. 110)
	Engineering of power plants (M. E. 11)	Machinery and mechanism (M. E. 35–36)	Electric railways (E. E. 112)
	Metallurgy of iron and steel (Met. 4)	Experimental mechanical engineering (M. E. 76)	Alternating current laboratory (E. E. 175–176)
	Bench-work (Shop 4)	Analytical mechanics (Mech. 101)	Electrical instrument laboratory (E. E. 177)
	Machine tool work (Shop 4S)	Thermodynamics (Mech. 106)	Hydraulic lab. (M. E. 56)
	Forging (Shop 3)	Theory of dynamo and motor (Mech. 107)	Heat and its applications (M. E. 71)
	Analytical mechanics (Mech. 102)	Theory of direct-current dynamo and motor (Mech. 108)	Experimental mechanical engineering (M. E. 77)
	General physics (Phys. 3)		Theory of alternators and transformers (Mech. 109)
	Physical laboratory (Phys. 43–44)		Theory of variable currents (Mech. 110)
	Physics—measurements and computations (Phys. 105)		Graduation thesis (E. E. 98)
	Gymnasium (Phys. Ed. B)		

Summer work:
Surveying practice (C. E. 15)

The First Class is identical in all courses.

COURSE IN CHEMISTRY

First Class	Second Class	Third Class	Fourth Class
General inorganic chemistry (Chem. 3–4)	Elementary physical chemistry (Chem. 21–22)	Industrial chemistry (special (Chem. 83–84)	Industrial chemistry special (Chem. 85–86)
Qualitative analysis (Chem. 61–62)	Elementary organic chemistry (Chem. 147–148)	Industrial chemistry laboratory (Chem. 88)	Industrial chemistry laboratory (Chem. 89)
Spherical trigonometry (Math. 2)	Industrial chemistry (Chem. 81–82)	Chemical microscopy (Chem. 91–92)	Physical chemistry (Chem. 121–122)
Analytical geometry (Math. 3–4)	Quantitative analysis (Chem. 163–164)	Advanced inorganic chemistry (Chem. 101–102)	Organic chemistry (Chem. 141–142)
a Elements of mechanical drafting Freehand lettering *b* Projections *c* Machine drafting—sketches, tracing *d* Topography (Drafting 1–2)	Elements of electrical engineering (E. E. 1)	Assaying (Chem. 170)	Chemistry 7–8, or 23–24, or 93–94, or 95–96, or 143–144, or 167–168, or 173–174
Descriptive geometry (Drafting 3–4)	Elements of the dynamo (E. E. 2)	Quantitative analysis, organic (Chem. 171)	The steam engine and boiler (M. E. 13–14)
General physics (Phys. 3–4)	Metallurgy of iron and steel (Met. 4)	Industrial electro-chemistry (Chem. 183–184)	Metallurgy of silver, gold, zinc (Met. 3)
Theory of surveying (C. E. 2)	Differential and integral calculcus (Math. 5–6)	Engineering of power plants (M. E. 12)	Thesis
Gymnasium (Phys. Ed. A)	Mineralogy and crystallography (Min. 7–8)	Analytical mechanics (Mech. 5–6)	
	General physics (Phys. 3)	Metallurgy of copper (Met. 1)	
Summer work:	Gymnasium (Phys. Ed. B)	General metallurgy (Met. 2*a*)	
Surveying practice (C. E. 15)	Summer work:	Metallurgy of lead (Met. 2*b*)	
	Factory Inspection and Memoir (Chem. 80a)	Summer work:	
		Factory Inspection and Memoir (Chem. 80b)	

The First Class is identical in all courses.

First Class	Second Class	Third Class	Fourth Class
General inorganic chemistry (Chem. 3–4) Qualitative analysis (Chem. 61–62) Spherical trigonometry (Math. 2) Analytical geometry (Math. 3–4) *a* Elements of mechanical drafting Freehand lettering *b* Projections *c* Machine drafting—sketches, tracing *d* Topography (Drafting 1–2) Descriptive geometry (Drafting 3–4) Theory of surveying (C. E. 2) Gymnasium (Phys. Ed. A) General physics (Phys. 3–4) Summer work: Surveying practice (C. E. 15)	Elementary organic chemistry (Chem. 41–42) and S. 43–44) Industrial chemistry (Chem. 81–82) Quantitative analysis (Chem. 163–164) Elements of electrical engineering (E. E. 1) Elements of the dynamo (E. E. 2) Differential and integral calculus (Math. 5–6) General physics (Phys. 3) Analytical mechanics (Mech. 102) Mineralogy (Min. 15–16) Structural drafting (Drafting 7–8) Metallurgy of iron and steel (Met. 4) Forging (Shop 3) Bench-work, machine-tool work (Shop 4) Gymnasium (Phys. Ed. B.) Engineering of power plants (M. E. 11) Summer work: Factory inspection and Memoir (Chem. 80a) Organic Chemistry Laboratory (Chem. 43–44)	Industrial chemistry, special (Chem. 83–84) Assaying (Chem. 170) Quantitative analysis, organic (Chem. 171) Electrical engineering lectures (E. E. 56) Electrical engineering laboratory (E. E. 72) Analytical mechanics (Mech. 101) Metallurgy of copper (Met. 1) General metallurgy (Met. 2*a*) Metallurgy of lead (Met. 2a) Properties of materials (C. E. 6) Testing of materials (C. E. 7–8) Experimental mechanical engineering (M. E. 31–32) Mechanics of materials (M. E. 37) Engineering design and drawing (M. E. 39) Summer work: Factory Inspection and Memoir (Chem. 80b) Factory Practice	Industrial chemistry, special (Chem. 85–86) Industrial chemistry laboratory (Chem. 88 or 182) Physical chemistry (Chem. 121–122) Chemical factory apparatus and machinery (Chem. 97–98) Industrial chemistry laboratory (Chem. 89) Experimental mechanical engineering (M. E. 33) Machine design (M. E. 41) Shop methods for economical production (M. E. 52) Heat and its applications (M. E. 71) Metallurgy laboratory (Met. 71–72) Hydraulics (C. E. 75) Thermodynamics (Mech. 7) Thesis

The First Class is identical in all courses.

REGISTER OF STUDENTS

Schools of Mines, Engineering, and Chemistry

FOURTH YEAR—CLASS OF 1908

Mining Engineering

Bates, William Stephen, A.B. 1904 ..... New York City
Davis, Henry Farmer ..... St. Louis, Mo.
Dier, Alfred Austin ..... Bozeman, Mont.
Doty, Oliver Keese ..... New York City
Downs, Fletcher Gardner, A.B. 1906 ..... Jersey City, N. J.
Hartog, Victor, E.M. 1901; B.S. 1903; So. Africa Sch. of Mines, Beaconsfield, South Africa
Hoster, Manfred Theodore ..... East Rutherford, N. J.
Hubbell, Allan Hildreth, A.B. C. C. N. Y. 1904 ..... New York City
Hurley, Marcus Latimer ..... New York City
Jones, Lewis Meredith ..... Cleveland, Ohio
Kirtley, Luther Lycurgus, B.S. Univ. Chicago, 1903 ..... Salt Lake City, Utah
Leaning, Eugene Hooker, A.B. Williams, 1905 ..... New York City
Lewyn, Oswald Mark ..... New York City
Lloyd, Karl Ernest, A.B. Oberlin 1905 ..... Elyria, Ohio
McCartney, Elmer Barber ..... Oakes, North Dakota
MacDonald, William Townley ..... Denver, Colo.

[16]

Civil Engineering

Armstrong, Addison Cooke ..... New York City
Babcock, Henry Grinnell ..... Fanwood, N. J.
Bode, Grover Hartmann ..... New York City
Forbes, Francis Bonner, A.B. 1904 ..... New York City
Fraher, Thomas Augustine ..... New York City
Gray, Clifford, E.E. 1902, A.M. 1903 ..... New York City
Hall, Charles Lincoln ..... New York City
Kraus, Arthur ..... New York City
Lamke, Daniel Henry ..... New York City
Marshal, William Robert ..... New York City
Menke, William ..... New York City
Menocal, José G., A.B. Havana Inst. 1903 ..... Havana, Cuba
Mishkin, Victor ..... New York City
Peshkin, Harry Charles ..... New York City
Rothberg, Jacob Benjamin ..... New York City
Smith, Marco Carmelich, Jr. ..... New York City
Thomas, Harold Allen, A.B. 1906 ..... New York City
Wilson, William ..... New York City
Young, John Joseph ..... New York City

[19]

Electrical Engineering

Adams, Hanford Curtis, A.B. Wesleyan 1905 ..... New York City
Bowes, William Rauchfuss ..... New York City

CARBONE, MARIO GEROLAMO, Mech.E. 1907 ..... New York City
CRECELIUS, FREDERICK WILLIAM ..... New York City
HEHRE, FREDERICK WILLIAM ..... New York City
HOLSLAG, CLAUDE JOSEPH ..... Peekskill, N. Y.
JONES, EDWARD CROSBY ..... New York City
LUSCOMB, HARRIS TRAILL ..... New York City
MACCUTCHEON, ALECK MORTON ..... Yorktown, N. Y.
REIZENSTEIN, CHESTER LEONARD ..... New York City
SERBEY, BENJAMIN ..... Pocantico Hills, N. Y.
SIMPSON, WILLIAM J. P. ..... New York City
WILLIAMSON, GEORGE ..... East Orange, N. J.
WILSON, JAMES ELIJAH, Ph.B Wesleyan, 1904 ..... Middletown, Conn.
WOTICKY, CHARLES ..... New York City
[15]

MECHANICAL ENGINEERING

ANDREI, CAMILLO ..... Perugia, Italy
BYRNE, FREDERICK JOHN ..... New York City
COOK, WILLIAM PIERSON, JR ..... New York City
CRAWLEY, GEORGE EDWIN ..... New York City
FELTER, RUTHERFORD STITT ..... Bogota, N. J.
HOYNS, GEORGE WAYLAND ..... New York City
STIX, LAWRENCE CULLMAN ..... New York City
SWARTWOUT, EVERETT WILES ..... Scarsdale, N. Y.
[8]

METALLURGY

LAGE, FREDERICO ..... Rio de Janeiro, Brazil
[1]

CHEMISTRY

AMEND, CARL G. ..... New York City
FIEDLER, ALBERT ..... New York City
HUDSON, HANS KIERSTEDE ..... New York City
KENDALL, EDWARD CALVIN ..... So. Norwalk, Conn.
[4]

FOURTH YEAR—CLASS OF 1908

Mining Engineering	16
Civil "	19
Electrical "	15
Mechanical "	8
Metallurgy	1
Chemistry	4
Total	63

THIRD YEAR—CLASS OF 1909

MINING ENGINEERING

BALDWIN, HERBERT VAN VLIERDEN, B.S. Princeton, 1905 ..... Nyack, N. Y.
BATTLE, JOEL ALLAN, JR ..... Evanston, Ill.
BLOW, GEORGE ALLMAND ..... Ware Neck, Va.
CHRYSTIE, JAMES NICHOLSON ..... New York City
COHN, CHARLES JOSEPH, B.S. C. C. N. Y. 1903 ..... New York City
CUTLER, WILLARD WALKER, JR., B.S. Princeton 1906 ..... Morristown, N. J.
DANEHY, GEORGE WELCH ..... New York City
EARLE, THEODORE ..... Elizabeth, N. J.
ESTEE, RUSH GILLAN ..... Montpelier, Vt.

GAEBELEIN, PAUL WHITEFIELD.....Mt. Vernon, N. Y.
GOULD, KINGDON.....Lakewood, N. J.
GRAHAM, HORACE REYNOLDS.....New York City
GRANT, LESTER EAMES A.B. Yale, 1906.....Denver, Colo.
HALL, HARRY ELIAS.....Virginia City, Mont.
HEIDENREICH, WALTER LEE.....New York City
HELMRICH, GEORGE LESTON.....New Rochelle, N. Y.
HOLDERER, GEORGE BERKELEY.....Denver, Colo
HUME, HARRY G.....Basin, Mont
HUNTZICKER, FRANCIS JACOB.....Neillsville, Wis.
JESSUP, DOUGLAS WEBSTER.....Salt Lake City, Utah
KITSON, HOWARD WALDO.....New York City
KOHLBERG, HERBERT S., B.S. 1907.....El Paso, Texas
KOZMINSKY, LESLIE MONTEFIORE.....Melbourne, Australia
LOCKE, PRESTON ERIE.....New York City
LUND, FRANCIS NAPIER.....Bronxville, N. Y.
MAY, ERNEST RUDOLPH.....Lead, South Dakota
MILLER, DONALD GAZLAY.....New York City
MOORE, FRANCIS WILLIAM, A.B. Yale, 1907.....Redlands, Cal.
OVERMAN, BENTON.....New York City
PERRY, ROBERT MATSON, A.B. 1906.....Denver, Colo.
ROBERTS, PERCY LLEWELLYN, A.B. Middlebury, 1905.....New York City
RODDEWIG, GEORGE WASHINGTON, Mech.E., Cornell, 1906.....Davenport, Ia.
SCOTT, THOMAS KLINE.....New York City
STOCKLY, HAROLD AUGUSTUS, A.B. Univ. Michigan, 1905.....Hancock, Mich.
THOMPSON, MALCOLM MACFARLAN.....Morsemere, N. J.
TOUGH, FREDERICK BEVAN.....Detroit, Mich.
WEST, HENRY JAMES, A.B. 1902.....Garnersville, N. Y.
[40]

CIVIL ENGINEERING

ASCHER, BENJAMIN, B.S. C. C. N. Y. 1907.....New York City
BERNFELD, LUPESCU MORRIS.....New York City
CARPENTER, WILLIAM MORGAN, A.B. 1907.....New York City
ECKMANN, JULIUS, B.S., C. C. N. Y. 1907.....New York City
FERGUSON, WILBUR EARLE.....New York City
GUITERAS, HAROLD GENER.....Yonkers, N. Y.
HOAG, JOHN ALBERT.....New York City
HOWE, CHARLES HENRY.....New York City
KRELL, ISADORE.....New York City
KRÖGER, HENRY ANDREW.....New York City
LINDGREN, OSCAR HJALMAR.....Orebro, Sweden
LOMBARD, J. OSWALD.....Cienfuegos, Cuba
MOTT, KENNETH.....Peekskill, N. Y.
MURIEL, JOSE.....Potosi, Mexico
NATHAN, SAMUEL.....New York City
PERRY, ARTHUR CECIL FOX.....Delhi, N. Y.
ROTHSCHILD, MONTEFIORE.....New York City
SANTELICES, DANIEL.....Santiago, Chile
VON SCHRENK, TRIFON.....New York City
SLADE, HAROLD EDMUND.....New York City
SPALDING, LESTER HOLT.....New Rochelle, N. Y.
STEINMAN, DAVID BERNARD, B.S., C. C. N. Y. 1906.....New York City
STREHAN, GEORGE EARNEST, B.S., C. C. N. Y. 1904.....West Hoboken, N. J.
VAN KEUREN, HENRY PHILLIP.....Howell, Mich.
VULTÉ, GILBERT PALMER.....New Rochelle, N. Y.
WILLIAMSON, DOUGLAS B.....New York City
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ELECTRICAL ENGINEERING

BERGMANN, RUDOLPH CHARLES.....New York City
BLACKWOOD, WILLIAM CUTLER.....New York City
BLISS, ERNEST FRED.....New York City
CERUSSI, BIAGIO PETER.....New York City
COHN, HUGO.....New York City
DEUTSCH, HARRY ARMIN.....New York City
FONDILLER, WILLIAM, B.S. C. C. N. Y. 1903.....Westwood, N. J.
FORD, WILLIAM ANDREWS.....White Plains, N. Y.
HUTCHINSON, GEORGE ELLIS.....New York City
KENNEDY, FREEMAN W.....Bayonne, N. J.
KLEIN, JOHN EDWARD, A.B. C. C. N. Y. 1906.....New York City
KRIVULIN, HERMAN ARNOLD, A.B. C. C. N. Y. 1905.....New York City
LOOMIE, LEO STEPHEN.....New York City
MACCUTCHEON, PAUL J., Pd.B., N. Y. State Normal 1902.....Yorktown, N. Y.
MAPES, MILTON CRAWFORD.....White Plains, N. Y.
MASON, FRANK LOUIS.....New York City
MILTENBERGER, ALEXANDER LASSEN.....St. Louis, Mo.
ROCKWOOD, JOHN PARET.....Montclair, N. J.
STRUTHERS, HERBERT HARLOW.....New York City
TUPPER, ARTHUR GILBERT.....East Orange, N. J.
WHITE, MAJOR LEE.....New York City

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MECHANICAL ENGINEERING

BONNER, RICHARD OLIVER.....Rockville Centre, N. Y.
BORCHARDT, ALBERT HUGO.....New York City
BROPHY, PAUL FITZ GERALD.....New York City
HAIGH, CLIFFORD SHEPARD.....New York City
HAYES, FRANK ANDERSON, A.B. Yale 1907.....Buffalo, N. Y.
HENES, HARRY WILLIAM.....New York City
JAHN, GUSTAVE ADOLPH.....New York City
KNAPP, HAROLD OWEN.....New York City
KNOBLOCH, EDWARD.....Englewood, N. J.
MARCUS, CHARLES, A.B. 1906.....New York City
MILTENBERGER, WILLIAM.....St. Louis, Mo.
REMINGTON, HENRY WATERMAN, JR.....New York City
RICE, MYRON WESLEY.....Worcester, Mass.
SCHOONMAKER, HERBERT SAGE.....New York City
SCHWARZ, JUSTIN ORMISTON.....New York City
SLOANE, CHARLES O'CONOR, A.B. 1906.....South Orange, N. J.
STARBUCK, WILLIAM LENT.....New York City
ULMANN, U. AUGUST, JR.....Yonkers, N. Y.
VAN BEUREN, WALTER B.....Hoboken, N. J.
VEHSLAGE, HAROLD EDWIN, A.B. 1907.....New York City
YOUMANS, GEORGE LELAND.....East Orange, N. J.

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CHEMICAL ENGINEERING

BARNITT, JESSE BRYTE.....Phillipsburg, N. J.
EZEKIEL, BERTRAM.....Greenville, Ala.
KUDLICH, HERMAN FREDERICK, JR.....New York City
LISSAUER, ADOLPH WIENER.....New York City
MCCULLOCH, PAUL LEAVENWORTH.....Orange, N. J.
SCHRAMM, EDWARD, B.S. C. C. N. Y. 1906.....New York City

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METALLURGY

COMSTOCK, GEORGE FREDERICK, A.B. 1907.....New York City
DANIELS, CLARENCE WHITE.....Worcester, Mass.

KOKEN, WILLIAM THEODORE.....St. Louis, Mo.
WALTER, HERBERT WINFRED, B.S. Washington State College, 1905..Pullman, Wash.
[4]

CHEMISTRY

ALEXANDER, ELLIOT RITCHIE.....New York City
CREW, CHARLES.....Paterson, N. J.
GETTLER, ALEXANDER OSCAR, B. S. C. C. N. Y. 1904.....New York City
HOCHSTADER, IRVING.....New York City
SCHWARZ, ROBERT.....New York City
STAGG, HOWARD J. JR.....New York City
WHIPPLE, DORRIS WILLIAM, Ph.G. N. Y. Coll. of Pharmacy.....New York City
WILLIAMS, RICHARD GRANT.....New York City
WINSLOW, WILLIAM SPRAGUE.....New York City
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THIRD YEAR—CLASS of 1909

Mining Engineering	40
Civil "	26
Electrical "	20
Mechanical "	21
Chemical "	6
Metallurgy	4
Chemistry	8
Total	125

SECOND YEAR—CLASS of 1910

MINING ENGINEERING

ANNAN, ROBERT.....London, England
BAMBER, WILLIAM ROGER.....New York City
BLISS, NORMAN EUGENE, A.B. Bucknell 1906.....Washington, D. C.
BROWN, CLINTON BLEECKER.....New York City
BROWN, LOWELL HUNTINGTON, Litt.B. Princeton, 1907.....East Orange, N. J.
BROWNE, KENNETH C.....New York City
CARR, HOMER LYMAN, A.B. Oberlin, 1907.....Lakewood, Ohio
COOPER, JOHN RAYMOND.....New York City
COUNSELMAN, THEODORE BENTON.....New York City
DANIEL, GEORGE WILLIAM.....New York City
FARR, THOMAS HENRY POWERS, JR.....West Orange, N. J.
FARRINGTON, THAYER BOSWELL.....St. Paul, Minn.
FEUST, SIDNEY.....New York City
FULD, HORACE ALFONSE.....New York City
GARDNER, LESLIE BRECKENRIDGE.....Waco, Texas
GELDER, ROYAL WILLIAM.....New York City
GLORNEY, ERNEST EDWARD.....Dublin, Ireland
GREENOUGH, WARREN EARL.....Missoula, Mont.
HANHAUSEN, FREDERICK F.....New York City
HANKE, ADOLPH GUSTAV.....Cincinnati, Ohio
HAYES-DAVIS, JEFFERSON, B.S. Princeton, 1907.....Colorado Springs, Colo.
HAYES, FRANCIS HENRY, JR.....New York City
HENDRICK, TROWBRIDGE WESLEY.....Santa Monica, Cal.
DE HIERAPOLIS, GEORGE SAHB, JR.....New York City
HIRSH, RALPH TUSKA.....New York City
HODGKINSON, HAROLD HEROE.....Cleveland, Ohio
HOVER, DAVID LLEWELLYN CURTWRIGHT.....Washington, D. C.
LANDON, STEPHEN LESHER, A.B. Yale, 1907.....New York City
LEE, MONTROSE LUCIUS.....Omaha, Neb.
LESLIE, EUGENE HAMILTON, A.B. Princeton, 1906.....Columbus, Ohio

LINEBERGER, JOHN SELVYN.....Austin, Texas
MCCANN, EDGAR OWEN, A.B., 1903, A.M. 1905, St. Ignatius College..San Francisco, Cal.
MCCHRYSTAL, MARCUS ARTHUR.....New York City
MCCONNELL, ROBERT EARLL.....Durango, Colo
MCCRORKEN, EUGENE PAUL.....New York City
MCGOVERN, RUDOLPH ALOYSIUS.....New York City
MCLOCHLIN, GEORGE GRAHAM.....New York City
MCPEARCE, CLYDE.....Duluth, Minn.
MALLER, JOHN.....New York City
MARSH, AUSTIN GERRY.....Pueblo, Colo.
MENEFEE, ARTHUR BURLEY, B.S. Princeton, 1907.....Louisville, Ky.
MONTGOMERY, WILLIAM BRUCE, B.S., Virginia Military Inst., 1900....Lynchburg, Va.
MUCKLOW, WILFORD BARBER.....New York City
MULHOLLAND, VINCENT I., A.B. C. C. N. Y. 1902.....New York City
NAVARRO, JOHN RALPH.....Key West, Fla.
OBLER, DAVID MORTIMER, B.S. C. C. N. Y. 1907.....New York City
O'NEALE, MALCOLM LINDSAY.....New York City
OWEN, WILLIAM ROLAND, JR.....Denver, Colo.
PEYTON, GILBERT SMALL, JR.....Philadelphia, Pa.
PHELAN, ROBERT EARLY.....Washington, D C.
ROSS, GEORGE HILLIARD, A.B. Cornell, 1906.....Edgewater, N. J.
RUPP, FREDERICK LOUIS.....New Rochelle, N. Y.
RYPINSKI, JACOB EMANUEL.....New York City
VON SALTZA, PHILIP.....New York City
SAUNDERS, FRANK HAROLD.....Gloversville, N .Y.
SCHNEIDER, GUSTAV BILLING.....New York City
SCHNEPP, CHARLES FREDERICK.....New York City
SHAIDUROFF, NICOLAS, (Equiv. Mech. E. 1906) Tech. School..Nishny Novgorod, Russia
SMITH, ALEXANDER HERBERT.....Glasgow, Scotland
STILLMAN, ALBERT LEEDS, A.B. Rutgers 1905.....Hoboken, N. J.
SYVERSON, THEODORE SIGWALD.....Cooperstown, N. Dakota
TALLANT, JOHN DRURY.....San Francisco, Cal.
THOMAS, WILLIAM LEONARD, A.B. Princeton 1907.....New York City
TONKING, WILLIAM M.....Dover, N. J.
WALTERS, RAY EPPERSON, A.B. Univ. Montana 1905.....Missoula, Mont.
WARDLAW, FRANCIS ANDREW, JR.....Schroon Lake, N. Y.
WILSON, TREVETT ABBOT.....New York City
ZIMBER, FRANK E.....West Hoboken, N. J.

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CIVIL ENGINEERING

ARKUSH, J. ELLIS.....New York City
BABCOCK, THEODORE STODDARD.....Pelham Manor, N. Y.
BEGGS, GEORGE ERLE, A.B. Northwestern 1905.....Ashland, Ill.
DAVIS, IRVING JAMES.....New York City
DORN, GEORGE H., JR.....New York City
DOUGHERTY, EDWARD A.....New York City
DREYFUSS, ROBERT.....New York City
DUEÑAS, HECTOR, A.B. National Inst., Chile.....Ecuador, S. A.
ESTRADA, SEBASTIAN.....Cardenas, Cuba
FOSSAS, EDWARD JOSEPH.....San Juan, Puerto Rico
GOLDFARB, HENRY.....New York City
GOLDSTEIN, MORRIS MONROE.....New York City
GOLDSTEIN, SAMUEL.....New York City
GOODWIN, ELMER CLARK.....New York City
HANIGAN, HARRY, A.B. Georgetown 1906.....New York City
JONES, WILLIAM BENEDICT.....New York City
LAURENT, HOWARD PAUL.....New York City

Loewy, Alexander A. ..... New York City
Malmros, Nils Lorentz Alfred ..... Yonkers, N. Y.
Marder, Joel David ..... New York City
Marwick, Robert Hugh, A.B. 1906 ..... Petrolia, Ontario, Canada
Mayer, Charles, A.B. 1907 ..... New York City
Merlis, Isaac, B.S., C. C. N. Y. 1907 ..... New York City
Norsworthy, Leonard D. ..... New York City
Robert, Charles Simpson ..... Plainfield, N. J.
Robinson, Thomas Argo ..... St. Louis, Mo.
Rodenburg, John Tietjen ..... New York City
Schumacher, Karl J. ..... Lonsdale, R. I.
Snook, Curtis Pendleton ..... Montclair, N. J.
Snook, Thomas Edward, Jr. ..... New York City
Soule, Ernest Wilbur ..... New York City
Spencer, Charles Burr ..... New York City
Voskamp, John Aloysius ..... New York City
Weinstein, Joseph ..... New York City
Wickenden, Alfred Ahier ..... Bethel, Conn.
Williams, Harold ..... New Bedford, Mass.
Williams, Thomas William ..... New Bedford, M ss.

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Electrical Engineering

Alexander, William Austin ..... New York City
Arnstein, Watler L. ..... New York City
Bangs, George Harold ..... New York City
Benedict, Victor ..... New York City
Black, Henry Scudder ..... New Rochelle, N. Y.
Born, Sidney ..... New York City
Brazil, Augusto de Moura ..... Rio de Janerio, Brazil
Broe, Arthur Lowrey ..... New York City
Clemson, William Edwin ..... Newark, N. J.
Cordovez, Carlos ..... Quito, Ecuador
Dellenbaugh, Frederick Samuel, Jr. ..... New York City
Deschere, Harvey ..... New York City
Foeller, Harold C. E. ..... New York City
Fonts, Humberto ..... Havana, Cuba
Foote, Hastings ..... New York City
Griffen, Ellwood Burdsall ..... New York City
Guthorn, Seymour ..... New York City
Hamann, Adolph Martin ..... Mt. Vernon, N. Y.
Hammond, Harold Orvis ..... New York City
Hinkel, Edward Joseph ..... New York City
Jordan, Carl Philip ..... Great Falls, Mont.
Keator, Randall Moss ..... New York City
McGuiness, Francis Vincent ..... New York City
McKanna, Edwin Alexander ..... Oklahoma City, Okla.
Müller, Frederick ..... New York City
Osborn, Stanley Royal ..... New York City
Powell, Alvin Leslie ..... Rockville Centre, N. Y.
Restrepo, Luciano ..... Medellin, Colombia, S. A.
Robinson, Karl Davis ..... New York City
Ryan, John Joseph ..... New York City
Spitzer, Benjamin ..... New York City
Sprung, Abraham ..... New York City
Stafford, Raymond Wright ..... New York City
Tobias, David Francis ..... New York City
Wahlig, Rudolph Charles ..... New York City

WAITT, WEYMER H. ..... New York City
WEBSTER, LESLIE STANDARD ..... New York City
WEED, DEWITT VANDERBILT, JR. ..... New York City
WHITE, RALPH LEE ..... New York City
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MECHANICAL ENGINEERING

BLUMENFELD, RALPH ..... New York City
BOWES, CHARLES MUNTON ..... New York City
BOWLES, PHILIP E., JR. ..... Oakland, Cal.
DAVIS, FRANK RUTLEDGE ..... New York City
EGBERT, HARRY DREW, A.B. 1907 ..... New York City
FREDERICKS, WALTER ..... New York City
HERZOG, DAVID SULZBERGER ..... New York City
HOYT, HAZEN LUERTUS, JR. ..... New York City
IVES, FRANCIS LASAK ..... New York City
LORD, JAY WILLARD ..... New York City
LUKENS, EDWARD FRENCH ..... New York City
VON MALMBORG, CARL ADOLF ..... Stockholm, Sweden
MATZ, LOUIS ..... New York City
DI MOISE, GINO BETTINO ..... New York City
MORRILL, OTIS CHAMBERLAIN, A.B. Williams 1907 ..... New York City
MORROW, ROBERT LEE ..... New York City
VON MÜFFLING, ERNEST ADRIAN ..... New York City
O'BRIAN, LEWIS ETIENNE ..... New Rochelle, N. Y.
OAKLEY, WALTER WECKERLE ..... New York City
PECK, JOHN ARZA, JR. ..... Pelham, N. Y.
SAXE, JOHN GODFREY ..... New York City
SEMEL, ARTHUR LIEBER ..... New York City
SMITH, ALFRED JOHN ..... Central Islip, N. Y.
ULMANN, EDGAR ERNEST ..... Yonkers, N. Y.
WHEELER, WILLIAM HENRY ..... New York City
WIEHLE, ALVIN LOUIS VIRGIL ..... Wiehle, Va.
WOOD, THOMAS CARLYLE ..... Topeka, Kansas
ZACH, LOUIS MORRIS ..... New York City
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CHEMICAL ENGINEERING

BAER, SAMUEL ..... New York City
BISHOFF, SYLVAN ..... New York City
BOLE, GEORGE ADDISON, B.S. GENEVA 1906 ..... Beaver Falls, N. Y.
DANIELS, MONROE HELLER ..... New York City
GRIEVE, JAMES ..... Perth Amboy, N. J.
HERRICK, HORACE TERHUNE, A.B. Princeton 1907 ..... New York City
HEUMANN, EMIL MICHAEL ..... New York City
LIPSTATE, WADEL ABRAM ..... Tyler, Texas
MALCOMSON, MALCOLM DAVID ..... Orange, N. J.
MURPHY, ROBERT KENNETH ..... Rochester, N. Y.
NORDLINGER, LESTER ..... New York City
RAPHAEL, ABRAHAM LINCOLN ..... New York City
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METALLURGY

GUITERMAN, KENNETH S. ..... Denver, Colo.
HALCOMB, CHARLES HERBERT, JR., A.B. Yale 1907 ..... Cazenovia, N. Y.
MAPES, CLARENCE DANIEL ..... White Plains, N. Y.
[3]

CHEMISTRY

HALLOCK, FREDERICK BARTON.....New York City
STEINSCHNEIDER, WILLIAM.....New York City
THOMPSON, ERNEST CHARLES.....New York City
[3]

SECOND YEAR—CLASS OF 1910

Mining Engineering	.....	68
Civil "	.....	37
Electrical "	.....	40
Mechanical "	.....	28
Chemical "	.....	12
Metallurgy	.....	3
Chemistry	.....	3
Total	.....	191

FIRST YEAR—CLASS OF 1911

AGRAMONTE, PEDRO HENRY.....New York City
ALLEN, FREDERICK MURDOCK.....Peekskill, N. Y.
ANANIEFF, VLADIMIR RAVLOVITCH.....Moscow, Russia
AYER, FRANCIS ASHTON.....Weehawken, N. J.
AYERS, WILLIAM CHANDLER.....Barre, Vt.
BACH, HENRY MICHAEL.....New York City
BAINS, THOMAS MELLOR, JR.....Philadelphia, Penn.
BAKER, JAMES ALPHENO, JR.....New York City
BATES, STANLEY EDWARDS.....Plainfield, N. J.
BAUMEISTER, PAUL ARNOLD.....New York City
BENSON, CLAUS DOSCHER.....New York City
BETTELHEIM, EDWIN SUMNER.....New York City
BETTS, CHARLES ELWOOD.....Westport, Conn.
BLOCK, MAX JACOB.....New York City
BLUMENTHAL, ALEXANDER SAMUEL.....New York City
BODE, LOUIS HERMAN.....New York City
BONSFIELD, HAROLD W.....New York City
BRAENDER, WALTER PHILIP.....White Plains, N. Y.
BRIGGS, ROBERT WESLEY.....New York City
BROWN, EDWARD STANLEY.....Rutherford, N. J.
BUCHTENKIRCH, WILLIAM ERNST.....New York City
BURGESS, E. PAYNE JEWETT.....New York City
CALDWELL, JOHN HENDERSON, JR.....Bristol, Tenn.
CAPABLANCA, JOSÉ RAUL.....New York City
CARTER, KENNETH FREELAND.....Tarrytown, N. Y.
CASWELL, EDWARD THOMAS.....Elmhurst, N. Y.
CHERRY, WILLIAM ALEXANDER, JR.....White Plains, N. Y.
CLARK, SIDNEY MILTON.....New York City
CLEVELAND, HORACE HAYWARD.....New York City
CLOUGDEN, JOHN, JR.....New York City
COBDEN, RICHARD, JR.....Larchmont Manor, N. Y.
COLAS, NICOLAS.....New York City
COLE, ARTHUR B.....Montclair, N. J.
COLE, HOWARD THOMAS.....Brewster, N. Y.
COOK, EDGAR HAWLEY.....Albany, N. Y.
CORSA, HOWARD PINCKNEY.....New York City
DEGAVRE, MARTIN L.....Newark, N. J.
DEISER, NORMAN ARTHUR.....New York City

DEMOREST, WILLIAM JENNINGS.....New York City
DESCHERE, PAUL RICHARD.....New York City
DIAZ, MARINO.....Havana, Cuba
DONALDSON, KENNETH HUME.....New York City
DONOHOE, DENIS, III.....New York City
DONOVAN, JAMES.....New York City
DORLAND, HOWARD ERNST.....New York City
DURANT, DONALD.....New York City
EDGAR, GEORGE COLEMAN.....New York City
ENGLANDER, HARRY.....New York City
ENTELMANN, JOHN.....New York City
ERCOLANO, MELCHIORI.....Italy
FAAS, CHARLES THORNE.....Great Neck, L. I.
FERGUSON, JAMES.....Liverpool, Eng.
FINKELSTEIN MARTIN.....New York City
FOGEL, WILLIAM PERCY, JR.....Rutherford, N. J.
FORD, ANDREW J.....South Amboy, N. J.
FRIEDMAN, MORRIS.....New York City
FURMANSKY, JOSEPH JACOB.....Rondout, N. Y.
GATELY, WILLIAM ALOYSIUS.....New York City
GIROUX, LEON MAXWELL.....New York City
GOLDSTONE, LAWRENCE PRESTON, JR.....New York City
GREF, WILLIAM HODGINS.....Nantucket, Mass.
GUITERAS, JULIAN GEORGE.....Yonkers, N. Y.
GUITERAS, JOSEPH RAMON.....Yonkers, N. Y.
GUTIERREZ DE CELIS SANTIAGO.....Havana, Cuba.
HALE, JOHN CLARENCE.....White Plains, N. Y.
HALL, ALBERT E.....New York City
HANER, CARL, JR.....New York City
HARDER, ERNEST HENRY.....Newark, N. J.
HARPER, JOSEPH HENRY, JR.....Lawrence, L. I.
HAZZARD, LYNNE F.....Bisbee, Arizona
HERBERT, WYMAN DRUMMOND.....New York City
HERTER, ALBERT HENRY.....New York City
HERTZOG, HOWARD SINTON.....Shamokin, Penn.
HICKS, CHARLES SELDEN.....Bayside, L. I
HILL, LEONARD OSCAR.....New York City
HILL, WALTER CHARLES.....Hagaman, N. Y.
HIRSCH, CHARLES MARCEL.....New York City
HOCHBERGER, JULIUS.....New York City
HOFFMAN, JAMES MILTON.....New York City
HOLMAN, ARTHUR JOHN.....New York City
HOROWITZ, BENJAMIN.....New York City
HSÜ, SINFOO, C. C.....Hu-nan, China
HUBBARD, EDGAR W.....New York City
HVASS, CHARLES THOMAS, JR.....New York City
ISEMAN, PERCY REGINALD.....New York City
JACKSON, GUERT GANSEVOORT, JR.....Metuchen, N. J.
JACQUES, WILLIAM SINGER.....East Orange, N. J.
JANSEN, THOMAS CARL.....New York City
JAROS, ALFRED LEOPOLD, JR.....New York City
JEANNERET, LEON E.....Rutherford, N. J.
JENKINS, HAROLD BREWSTER.....New York City
DE JONGH, ARTHUR FRANCIS.....New York City
KANDEL, CHARLES.....New York City
KENNEDY, WALTER WOODWARD.....New York City
KING, THOMAS EDWARD.....Sound Beach, Conn.

KINSMAN, RICHARD ELLARD.....New York City
KIRSCHBERG, MATTHIAS.....New York City
KISLOWSKY, ANDREW DURITRI.....Moscow, Russia
KOLLER, MAX ALEXANDER.....New York City
KUZMIER, GEORGE PETER.....New York City
LACY, FREDERICK THURLOW.....New York City
LAROQUE, FULGENCE.....Bordeaux, France
LASCH, JOHN STRAUSS.....New York City
LEACH, ALBERT ALLYN, JR.....New York City
LEISER, FERDINAND, JR.....New York City
LESLIE, ELWYN ERVING.....New York City
LEVY, NATHAN.....New York City
LIEBOWITZ, BENJAMIN.....New York City
LINDEMANN, CARL, JR.....Hoboken, N. J.
LITMAN, ISAAC.....New York City
LIVINGSTON, WILLIAM SMITH, JR.....New York City
LOMMEL, GEORGE LAWRENCE.....New York City
LOVEJOY, JOHN MESTON.....New Rochelle, N. Y
LOWE, DONALD VAUGHN.....Englewood, N. J.
MCCONNELL, LEROY WILSON.....Dallas, Texas
MCINTYRE, KENNETH ARNON.....Mt. Vernon, N. Y.
MCKEOWN, SAMUEL ANDERSON.....New York City
MANCUSI-UNGARO, MANFREDI.....Newark, N. J.
MARTIN, HENRY PETER.....Mt. Vernon, N. Y.
MARUM, MYRON GILBERT.....Paterson, N. J.
MENDELOWITZ, MILTON HERBERT.....New York City
MENDELSOHN, ALBERT.....New York City
MEYER, EMIL GUSTAVE.....New York City
MILLER, FREDERICK.....New York City
MILLER, WALTER REGINALD.....West Park, N. Y.
MIYATA, BUNICHI.....Sagami, Japan
MORRISS, ARTHUR DUDLEY.....New York City
MOTT, F. DOUGLAS.....Peekskill, N. Y.
MURRAY, JOSEPH NORRIS.....New York City
NATHAN, CYRIL JAMES.....New York City
NAYLOR, HENRY RODLEY.....New York City
NEWTON, EDMUND.....Arkville, N. Y.
NOVOMESKY, EMIL.....New York City
OCKERT, FREDERICK WILLIAM.....New York City
PALMER, WILLIAM FREDERICK.....New York City
PARKER, ARTHUR ROWLEY.....New York City
PATERSON, ARCHIE HARTLEY.....Wingham, Ontario
PATTERSON, RICHARD CUNNINGHAM, JR.....Kansas City, Mo.
PETERS, GEORGE LAURENCE.....New York City
PETERS, WILLIAM FREDERICK, JR.....New York City
PHILIPPOFF, BORIS D.....Moscow, Rus.
PHILSON, JAMES DE LONG.....New York City
PINO, ERNESTO.....Havana, Cuba
POWERS, LANSING WOODRUFF.....New York City
PROUT, WILLIAM SAMUEL.....Topeka, Kan.
RANSOM, RASTUS S., JR.....New York City
RENSHAW, PAUL.....Noroton, Conn.
RILEY, WELLS LITTLEFIELD.....New York City
RIPPERGER, WALTER LUDWIG.....New York City
RODRIGUEZ, EDUARDO.....Costa Rica, C. A.
ROTHCHILD, DAVID.....New York City
ROTHWELL, VINCENT HAROLD.....New York City

Samuely, Nathan.....New York City
Schapiro, Morris S.....Union Hill, N. J.
Schlichting, Louis, Jr.....New York City
Schlottman, Gustave.....New York City
Simon, Henry.....New York City
Simpson, Paul.....Newburyport, Mass.
Sloane, Charles Edward.....Washington, D. C.
Steigman, Benjamin Morris.....New York City
Stewart, William Elmer, Jr.....Astora, L. I.
Stoll, Morris.....New York City
Strippel, Albert Edwin.....New York City
Szanto, Sandor.....Hungary
Taylor, Stevenson Peirce.....New York City
Thompson, Lester Seymour.....New York City
Thompson, William Creevy.....Morristown, N. J.
Tschudy, Edward Albert.....New York City
Tupper, Wilbur Drake.....East Orange, N. J.
Valdes, Alfonso Phillip.....New York City
Valentine, Claude Harry.....New York City
Vogel, Oscar M.....Great Falls, Mont.
Volker, Henry Joseph.....Ossining, N. Y.
Wall, William Buchman.....New York City
Wallis, Joseph Edmund, Jr.....Beaumont, Tex.
Weaver, Gilbert Morgan.....New York City
Webster, James McB.....New York City
Weiss, Benjamin.....New York City
Welch, Ellis William.....Rutherford, N. J.
White, Thomas Kenneth.....New York City
Williams, Granville Mercer.....New York City
Wise, Sidney Leo.....New York City
Wright, William Ryer.....New York City
Zimmermann, Frederick Louis.....New York City
Zogbaum, Ferdinand.....New York City

[186]

Non-Matriculated Students

Barlow, Alford E.....Red Bank, N. J.
Bergman, Hippolyte.....New York City
Birch, George Howard.....New York City
Brazil, Luiz de Moura.....Rio de Janero, Brazil
Cahoone, William M.....Red Bluff, Cal.
Chamberlin, Egbert C.....New York City
Dodge, W. Earl.....New York City
Frese, Walter Adolph.....New York City
Gascoyne, William John, Jr.....Baltimore, Md.
Gray, Thomas T.....Elizabeth, N. J.
Hoykendorf, K.....New York City
Huyler, Coulter D.....New York City
Kuser, Peter D.....New York City
Latham, Everett Bodine.....New York City
Ludlow, Henry H.....New York City
Morris, David A.....Chicago, Ill.
Piel, Henry Gottfried.....New York City
Riesenberg, Felix.....New York City
Segard, Christian Peter.....New York City
Shakespeare, Norman Everett.....Baltimore, Md.
Smith, John A.....New York City

STROBEL, ROGER LOUIS.....New York City
TAYLOR, ELLIS WING.....Los Angeles, Cal.
Non-matriculated 23

Attended Summer Session 1907, but did not enter 1907–1908.

BARBOUR, ROBERT.....Monmouth Beach, N. J.
BLANCHARD, JULIAN.....Hertford, N. C.
BOECK, PERCY ALBERT.....New York City
BOSWORTH, WILLIAM HAMLIN.....New York City
BRIDGMAN, LINDEN WENTZEL.....New York City
FRENCH, ROBERT MANSFIELD.....New Rochelle, N. Y.
GILLIE, GEORGE ROSS.....New York City
GOLDWATER, SIDNEY JAMES.....New York City
GRUNSKY, CARL EWALL, JR.....New York City
GUINCHARD, ALEJANDRO.....New York City
HAMMERSCHLAG, HENRY ADOLPH.....Newark, N. J.
HASBROUCK, BERNARD.....S. Nyack, N. Y.
HOLBERT, HARRY HURD.....New York City
LINDO, ALBERT.....New York City
MEAD, RAYMOND HINMAN.....New York City
MORA, ERNEST JOSÉ.....Easton, Pa.
NOTMAN, ARTHUR.....New York City
VORISEK, ANTON.....New York City

SUMMARY

UNDERGRADUATE STUDENTS

	Second Year	Third Year	Fourth Year	Totals
SCHOOL OF MINES:				
Mining Engineering	68	41	15	124
Metallurgy	3	4	1	8
SCHOOL OF CHEMISTRY:				
Chemistry	3	8	3	14
Chemical Engineering	12	6	—	18
SCHOOL OF ENGINEERING:				
Civil Engineering	37	25	19	81
Electrical Engineering	40	20	15	75
Mechanical Engineering	28	21	8	57
	191	125	61	377

FIRST YEAR CLASS..... 186
NON-MATRICULATED..... 23
STUDENTS FROM COLUMBIA COLLEGE..... 186

Total..... 596

FACULTY OF POLITICAL SCIENCE

ESTABLISHED 1880

Officers of the Faculty

JOHN W. BURGESS, Ph.D., LL.D. . . *Dean and ex-officio Member of the University Council*

HENRY ROGERS SEAGER, Ph.D. . . . . *Secretary*

MUNROE SMITH, J.U.D., LL.D. . . . . *Elected Delegate to the University Council (term expires 1910).*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., (Cantab.) Litt.D. (Oxon.), *President*

JOHN W. BURGESS, Ph.D., LL.D. . . . . *Ruggles Professor of Political Science and Constitutional Law*

MUNROE SMITH, J.U.D., LL.D. . . . . *Professor of Roman Law and Comparative Jurisprudence*

[1] FRANK J. GOODNOW, A.M., LL.D. . . *Eaton Professor of Administrative Law and Municipal Science*

EDWIN R. A. SELIGMAN, Ph.D., LL.D. . . . . *McVickar Professor of Political Economy*

HERBERT L. OSGOOD, Ph.D., LL.D. . . . . *Professor of History*

JOHN BASSETT MOORE, LL.D. . . . . *Hamilton Fish Professor of International Law and Diplomacy*

WILLIAM A. DUNNING, Ph.D., LL.D. . . . . *Lieber Professor of History and Political Philosophy*

FRANKLIN H. GIDDINGS, Ph.D., LL.D. . . . . *Professor of Sociology and the History of Civilization*

JOHN B. CLARK, Ph.D., LL.D. . . . . *Professor of Political Economy*

JAMES HARVEY ROBINSON, Ph.D. . . . . *Professor of History*

WILLIAM M. SLOANE, Ph.D., L.H.D., LL.D. . . *Seth Low Professor of History*

HENRY R. SEAGER, Ph.D. . . . . *Professor of Political Economy*

HENRY L. MOORE, Ph.D. . . . . *Professor of Political Economy*

WILLIAM R. SHEPHERD, Ph.D. . . . . *Adjunct Professor of History*

JAMES T. SHOTWELL, Ph.D. . . . . *Adjunct Professor of History*

GEORGE W. BOTSFORD, Ph.D. . . . . *Adjunct Professor of History*

VLADIMIR G. SIMKHOVITCH, Ph.D. . . . . *Adjunct Professor of Economic History*

[1] Absent on leave

EDWARD THOMAS DEVINE, Ph.D. . . . *Schiff Professor of Social Economy*
HENRY JOHNSON, A.M. . . . . *Professor of History in Teachers College*
CHARLES A. BEARD, Ph.D. . . . . *Adjunct Professor of Politics*
K. G. RUDOLF LEONHARD, J.U.D. . . *Kaiser Wilhelm Professor of German History and Institutions*
SAMUEL MCCUNE LINDSAY, Ph.D. . . . . *Professor of Social Legislation*

GENERAL STATEMENT

The Faculty of Political Science has charge of the university courses of instruction and research in political and social science, including history, economics, public law, and comparative jurisprudence.

The School of Political Science was opened on Monday, the fourth day of October, 1880.

It is the purpose of the School to give a complete general view of all the subjects of public polity, both internal and external, from the threefold point of view of history, law, and philosophy. The prime aim is, therefore, the development of all the branches of the political and social sciences. The secondary and practical objects are:

(*a*) To fit young men for the public service.

(*b*) To give an adequate economic and legal training to those who intend to make journalism their profession.

(*c*) To supplement, by courses in public law and comparative jurisprudence, the instruction in private municipal law offered by the Faculty of Law.

(*d*) To educate teachers of history, economics, social science, public law, and jurisprudence.

For detailed information in regard to the various courses that are offered with these ends in view, see *Announcement of the Courses in History, Economics, and Public Law.*

ADMISSION AND ATTENDANCE

Every student is required to file a list of his studies for the academic year at the time he registers, *or within one week* thereafter, at the office of the Registrar. If he subsequently wishes to make any change in his studies he must file written notice of his wish at the Dean's office, and must obtain the assent of the Dean.

Admission to the School of Political Science does not imply admission to candidacy for a degree. The conditions of candidacy for the several degrees are given on page 164. Students should also familiarize themselves with the separately printed pamphlet entitled: *Faculties of Political Science, Philosophy, and Pure Science*, which may be had upon application to the Secretary of the University.

Women who hold a baccalaureate degree are admitted to the School of Political Science as students in history and economics and may become candidates for the higher degrees.

Admission to other Courses

Any duly matriculated university student is at liberty to combine, without any additional fee, courses of study and investigation under this Faculty with courses offered by other Faculties of the University and with courses offered in the College.

FEES

(See page 27)

COURSES OF INSTRUCTION

For information regarding the courses offered in 1907–08 see statement under groups of subjects, as follows:

Economics and Social Science, page 72.
History and Political Philosophy, page 96.
Public Law and Comparative Jurisprudence, page 104.

For more detailed accounts of the courses and for the tender of 1908–09, application should be made for the *Announcement of the Courses in History, Economics, and Public Law.*

Seminars

Outside of the regular instruction in the various subjects by lecture, opportunity is furnished to the students of the School for the special investigation of historical, legal, economic, and social questions under the direction of the professors. This is done by means of original papers prepared by the students. The papers are read before the professor and the students, and are then criticised and discussed. There will be at least one seminar in each subject. The number of meetings and the topics to be discussed are determined each year. Attendance at the seminar in the major subject is required of candidates for the degree of Master of Arts or Doctor of Philosophy.

Yale-Columbia Courses in Preparation for Foreign Service

A system of courses has been inaugurated by Yale University and Columbia University, to prepare students for work in foreign countries, either in the service of the United States Government, in business enterprises, or as missionaries or scientific investigators.

The courses are intended to make the student familiar with the general subjects required for successful work in foreign countries and to enable him, by means of this knowledge, to gain quick mastery of special problems that present themselves in diverse occupations and regions. More special courses of instruction are intended to convey knowledge relating to particular regions in which the student intends to carry on his work.

The successful completion of the courses offered, which will nor-

mally occupy three years in the case of candidates for the consular service, and two years in the case of candidates for other foreign service in special fields, will entitle the student, on recommendation of the joint committee in charge of the course of studies, to an appropriate certificate signed by the Presidents of Yale University and Columbia University. Subject to the rules of the two coöperating institutions, candidates for certificates are admitted to candidacy for the regular academic degrees.

The course of study is framed primarily for graduate students, but it is also open to specially qualified students who have not completed the full college course. Students are expected to have completed successfully at least two years of undergraduate work at either Yale University or Columbia College, or to give proof of equivalent training.

Candidates for a certificate must prove their ability to read French or German, and must have completed the regular college courses on the general principles of economics, American history, and European history of the nineteenth century.

The program of studies includes seven divisions: (1) Languages, (2) Geography, (3) Ethnography, (4) History, (5) Religions, (6) Economics, (7) Law.

For detailed information concerning these courses apply to the Dean of the Graduate School, Yale University, New Haven, Conn., or to the Secretary of Columbia University, New York City.

FACULTY OF PHILOSOPHY

ESTABLISHED 1890

Officers of the Faculty

EDWARD DELAVAN PERRY, Ph.D., LL.D. . . *Dean and ex-officio Member of the University Council*

GEORGE N. OLCOTT, Ph.D. . . . . *Secretary*

GEORGE RICE CARPENTER, A.B., D. C. L. . . . *Elected Delegate to the University Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., (Cantab.) Litt.D. (Oxon.) *President*

RICHARD JAMES HORATIO GOTTHEIL, Ph.D. . . . *Professor of Rabbinical Literature and the Semitic Languages*

HARRY THURSTON PECK, Ph.D., L.H.D., LL.D. . . . *Anthon Professor of the Latin Language and Literature*

WILLIAM HENRY CARPENTER, Ph.D. . . . . *Villard Professor of Germanic Philology*

J. MCKEEN CATTELL, Ph.D., LL.D. . . . . *Professor of Psychology*

EDWARD DELAVAN PERRY, Ph.D., LL.D. . . . . *Jay Professor of Greek*

ABRAHAM VALENTINE WILLIAMS JACKSON, Ph.D., L.H.D., LL.D. . *Professor of the Indo-Iranian Languages*

ADOLPHE COHN, LL.B., A.M. . . . . *Professor of the Romance Languages and Literatures*

BRANDER MATTHEWS, D.C.L., Litt.D., LL.D. . . . *Professor of Dramatic Literature*

HENRY ALFRED TODD, Ph.D. . . . . *Professor of Romance Philology*

GEORGE RICE CARPENTER, A.B., D.C.L. . . . . *Professor of Rhetoric and English Composition*

JAMES RIGNALL WHEELER, Ph.D. . . . . *Professor of Greek Archæology and Art*

JAMES CHIDESTER EGBERT, Ph.D. . . . . *Professor of Latin*

CALVIN THOMAS, LL.D. . . . . *Gebhard Professor of the Germanic Languages and Literatures*

CARLO LEONARDO SPERANZA, B. ès L., A.M. . . . . *Professor of Italian*

FRANZ BOAS, Ph.D. . . . . *Professor of Anthropology*

FRANKLIN T. BAKER, A.M. . . . . *Professor of the English Language and Literature*

JAMES EARL RUSSELL, Ph.D., LL.D. . . . *Barnard Professor of Education*

[1] FRANK MORTON MCMURRY, Ph.D. . . . . *Professor of Elementary Education*
PAUL MONROE, Ph.D. . . . . *Professor of the History of Education*
SAMUEL TRAIN DUTTON, A.M. . . . . *Professor of School Administration*
[1] WILLIAM PETERFIELD TRENT, LL.D., D.C.L. . . . . *Professor of English Literature*
NELSON GLENN MCCREA, Ph.D. . . . . *Professor of Latin*
GONZALEZ LODGE, Ph.D., LL.D. . . . . *Professor of Latin and Greek*
CLARENCE HOFFMAN YOUNG, Ph.D. . . . . *Professor of Greek*
LIVINGSTON FARRAND, A.M., M.D. . . . . *Professor of Anthropology*
EDWARD LEE THORNDIKE, Ph.D. . . . . *Professor of Educational Psychology*
WILLIAM T. BREWSTER, A.M. . . . . *Professor of English*
CHARLES KNAPP, Ph.D. . . . . *Professor of Classical Philology*
JOHN DYNELEY PRINCE, Ph.D. . . . . *Professor of the Semitic Languages*
FREDERICK J. E. WOODBRIDGE, A.M., LL.D. . . *Johnsonian Professor of Philosophy*
FRIEDRICH HIRTH, Ph.D. . . . . *Dean Lung Professor of Chinese*
FELIX ADLER, Ph.D. . . . . *Professor of Social and Political Ethics*
JULIUS SACHS, Ph.D. . . . . *Professor of Secondary Education*
CHARLES A. STRONG, A.B. . . . . *Professor of Psychology*
MARSHALL H. SAVILLE. . . . . *Loubat Professor of American Archæology*
LOUIS A. LOISEAUX, B.S. . . . . *Adjunct Professor of the Romance Languages and Literatures*
WILLIAM ADDISON HERVEY, A.M. . . . . *Adjunct Professor of the Germanic Languages and Literatures*
RUDOLF TOMBO, Jr., Ph.D. . . . . *Adjunct Professor of the Germanic Languages and Literatures*
JOHN ANGUS MACVANNEL, Ph.D. . . . . *Professor of the Philosophy of Education*
JOEL ELIAS SPINGARN, Ph.D. . . . . *Adjunct Professor of Comparative Literature*
GEORGE N. OLCOTT, Ph.D. . . . . *Adjunct Professor of Latin*
[1] GEORGE STUART FULLERTON, Ph.D., LL.D. . . . *Professor of Philosophy*
JEFFERSON B. FLETCHER, A.M. . . . . *Professor of Comparative Literature*
JOHN DEWEY, Ph.D., LL.D. . . . . *Professor of Philosophy*
ROBERT S. WOODWORTH, Ph.D. . . . . *Adjunct Professor of Psychology*
CURTIS HIDDEN PAGE, Ph.D. . . . . *Adjunct Professor of the Romance Languages and Literatures*
ASHLEY HORACE THORNDIKE, Ph.D. . . . . *Professor of English*
ARTHUR F. J. REMY, Ph.D. . . . . *Adjunct Professor of Germanic Philology*
WILLIAM P. MONTAGUE, Ph.D. . . . . *Adjunct Professor of Philosophy*
WILLIAM W. LAWRENCE, Ph.D. . . . . *Adjunct Professor of English*
GEORGE PHILIP KRAPP, Ph.D. . . . . *Adjunct Professor of English*
DICKINSON S. MILLER, Ph.D. . . . . *Professor of Philosophy*

[1] Absent on leave.

GENERAL STATEMENT

The Faculty of Philosophy has charge of the advanced courses of instruction and research in philosophy, psychology, education, anthropology, philology, and letters. Any duly matriculated student is at liberty to combine courses of study and investigation under this Faculty with courses offered by the Faculties of Law, Medicine, Political Science, Pure Science, and Applied Science.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for University Degrees," page 164 *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

Students enrolled in any one of the theological seminaries mentioned on page 32, who may be designated for the privilege by the authorities of those institutions, and accepted by the President of Columbia University, are admitted to the courses offered by the Faculty of Philosophy free of all charge for tuition.

These institutions offer reciprocal privileges to students of Columbia University.

COURSES OF STUDY AND RESEARCH

For the courses offered in 1907–08, see departmental statements as follows:

Anthropology, page 45.
Comparative Literature, page 69.
Education, page 75.
English, page 83.
Germanic Languages, page 89.
Greek (including Archæology and Epigraphy), page 93.
Latin (including Epigraphy and Roman Archæology), page 100.
Oriental Languages
Semitic, page 122.
Indo-Iranian, page 121.
Chinese, page 120.
Philosophy and Psychology, page 130.
Romance Languages, page 143.
Science of Language, page 122.

For the courses to be offered for 1908–09, application should be made for the *Announcement of the Schools of Philosophy, Political Science, and Pure Science,* and for the divisional *Announcements of Classical Philology, Modern Languages and Literatures, Oriental Languages, Philosophy, Psychology, and Anthropology,* and of Teachers College, published in the spring of 1908.

FACULTY OF PURE SCIENCE

ESTABLISHED 1892

Officers of the Faculty

WILLIAM HALLOCK, Ph.D. ..... *Dean and ex-officio Member of the University Council*

CASSIUS JACKSON KEYSER, Ph.D. .. *Secretary and Elected Delegate to the University Council (term expires 1910)*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.), *President*

J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D. ..... *Professor of Mathematics*

CHARLES F. CHANDLER, M.D., Ph.D. LL.D., Sc.D. .. *Mitchill Professor of Chemistry*

HENRY S. MUNROE, E.M., Ph.D., Sc.D. ..... *Professor of Mining*

JOHN G. CURTIS, M.D., LL.D. ..... *Professor of Physiology*

ALFRED J. MOSES. E.M., Ph.D. ..... *Professor of Mineralogy*

GEORGE S. HUNTINGTON, M.D., Sc.D. ..... *Professor of Anatomy*

HENRY FAIRFIELD OSBORN, LL.D., Sc.D. ..... *Da Costa Professor of Zoölogy*

EDMUND B. WILSON, Ph.D., LL.D. ..... *Professor of Zoölogy*

JAMES F. KEMP, E.M., Sc.D. ..... *Professor of Geology*

WILLIAM HALLOCK, Ph.D. ..... *Professor of Physics*

FRANCIS B. CROCKER, E.M., Ph.D. .. *Professor of Electrical Engineering*

MICHAEL I. PUPIN, Ph.D., Sc.D. ..... *Professor of Electro-Mechanics*

T. MITCHELL PRUDDEN, M.D., LL.D. ..... *Professor of Pathology*

WILLIAM H. BURR, C.E. ..... *Professor of Civil Engineering*

[1] THOMAS SCOTT FISKE, Ph.D. ..... *Professor of Mathematics*

HAROLD JACOBY, Ph.D. ..... *Rutherfurd Professor of Astronomy*

FRANK N. COLE, Ph.D. ..... *Professor of Mathematics*

FREDERIC S. LEE, Ph.D. ..... *Professor of Physiology*

BASHFORD DEAN, Ph.D. ..... *Professor of Vertebrate Zoölogy*

* LUCIEN MARCUS UNDERWOOD, Ph.D., LL.D. ..... *Torrey Professor of Botany*

HENRY M. HOWE, A.M., B.S., LL.D. ..... *Professor of Metallurgy*

[1] Absent on leave.

* Died November 16, 1907.

JOHN FRANCIS WOODHULL, Ph.D. . . . . *Professor of Physical Science in Teachers College*
RICHARD ELWOOD DODGE, A.M. . . . . *Professor of Geography in Teachers College*
JAMES MACLAY, C.E., Ph.D. . . . . *Professor of Mathematics*
MARSTON TAYLOR BOGERT, A.B., Ph.B., *Professor of Organic Chemistry*
J. LIVINGSTON RUTGERS MORGAN, Ph.D. . . . . *Professor of Physical Chemistry*
HENRY E. CRAMPTON, Ph.D. . . . . *Professor of Zoölogy*
DAVID EUGENE SMITH, Ph.D., LL.D. . . . . *Professor of Mathematics in Teachers College*
WILLIAM J. GIES, M.S., Ph.D. . . . . *Professor of Biological Chemistry*
AMADEUS W. GRABAU, S.D. . . . . *Professor of Palæontology*
HERBERT MAULE RICHARDS, Sc.D. . . . . *Professor of Botany*
GARY N. CALKINS, Ph.D. . . . . *Professor of Protozoölogy*
PHILIP HANSON HISS, JR., M.D. . . . . *Professor of Bacteriology*
CASSIUS J. KEYSER, Ph.D. . . . . *Adrain Professor of Mathematics*
ERNEST FOX NICHOLS, Sc.D. . . . . *Professor of Experimental Physics*
LEA MCILVAINE LUQUER, Ph.D. . . . *Adjunct Professor of Mineralogy*
FREDERICK R. BAILEY, A.M., M.D. . . . . *Adjunct Professor of Histology and Embryology*
RUSSELL BURTON-OPITZ, M.D. . . . . *Adjunct Professor of Physiology*
THOMAS HUNT MORGAN, Ph.D. . . . *Professor of Experimental Zoölogy*
CHARLES LANE POOR, Ph.D. . . . . *Professor of Astronomy*
HENRY CLAPP SHERMAN, Ph.D. . . . . *Professor of Organic Analysis*
FRANK LEO TUFTS, Ph.D. . . . . *Adjunct Professor of Physics*
ALBERT P. WILLS, Ph.D. . . . . *Adjunct Professor of Mechanics*
HENRY B. MITCHELL, A.M. . . . . *Adjunct Professor of Mathematics*
HERMON C. BUMPUS, Ph.D. . . . . *Director of the American Museum of Natural History*

GENERAL STATEMENT

The Faculty of Pure Science has charge of the advanced courses of instruction and research in all branches of pure science, and especially the supervision of the candidates for the degrees of Master of Arts and Doctor of Philosophy in pure science. Students under other University Faculties are also at liberty to pursue courses of study and investigation under this Faculty.

Candidates for the higher degrees taking major subjects in pure science will be regarded as under the special jurisdiction of this Faculty.

Graduate students, candidates for the degree of Master of Arts or Doctor of Philosophy, are subject:

1. To the general regulations of the University Council. (See page 164.)
2. To the special regulations of this Faculty.

Special Regulations of the Faculty of Pure Science

The degree of Doctor of Philosophy is awarded on the basis of a thorough training in the methods of advanced work and investigation in some branch of science. The following statements are offered for the guidance of students. In the case of students of special ability or exceptional previous training, the Faculty may modify its usual regulations.

The student is expected to gain a sound general knowledge of the two minor subjects of his choice. In the major subject a much more thorough and special knowledge is required, particular importance being attached to training in research. Each minor subject is intended to occupy approximately one fourth of the time during one year for the degree of Master of Arts, and during one or two years, according to the nature of the subject and the previous training of the candidate, for the degree of Doctor of Philosophy. It is expected that the third year of study, and in certain cases both the second and the third years, will be wholly devoted to the major subject and to investigation for the dissertation.

The approval of the subject of the essay required for the degree of Master of Arts, or the subject of the dissertation required for the degree of Doctor of Philosophy, as well as the essay or dissertation itself, rests with the instructor in charge of the candidate's major subject. It is desirable that these studies should be related, and, when practicable, that they should be treated respectively as preliminary and completed investigations. Great importance is attached to the character of the final dissertation. While it must depend for acceptance chiefly on the subject-matter, it should show good literary workmanship, especially by directness and clearness of statement. It should demonstrate the author's capacity to do original scientific work, and to render an intelligible account thereof. It should evince a familiarity with the literature of the subject, and with the latest applicable methods of research. The treatment should be as concise as the nature of the work permits. Every dissertation should be preceded by a clear introductory statement setting forth the nature and the scope of the research, and be followed by a résumé of the results and the conclusions obtained. It should also be accompanied by a table of contents and by a list of the authorities consulted in its preparation.

Non-matriculated Students

Students who are not candidates for a degree may be permitted to pursue such courses from among those offered by this Faculty as they may be found qualified to enter upon. Each applicant must demonstrate his ability to pursue the course or courses selected, and the judges of his qualifications shall be the heads of the departments in

which he proposes to study. In general these special courses are open only to advanced students.

COURSES OF STUDY

For the courses offered for 1907–08, see departmental statements as follows:

Anatomy, page 42.
Astronomy, page 49.
Bacteriology, page 50.
Biological Chemistry, page 51.
Botany, page 53.
Chemistry, page 57.
Civil Engineering, page 62.
Electrical Engineering, page 80.
Engineering Drafting, page 83.
Geology, page 87.
Mathematics, page 106.
Mechanical Engineering, page 109.
Mechanics, see **Physics**.
Metallurgy, page 111.
Mineralogy, page 113.
Mining, page 114.
Physics, page 136.
Physiology, page 140.
Zoölogy, page 150.

For more detailed accounts of the courses application should be made for the *Announcement of the Schools of Political Science, Philosophy, and Pure Science*, and for the divisional *Announcements of Biology, of Chemistry, of Geology, Geography, and Mineralogy, of Mathematical and Physical Science*, and of the *Schools of Mines, Engineering, and Chemistry*, published in the spring.

Particular attention is called to the pamphlet entitled *Instructions to Graduate Students*.

REGISTER OF STUDENTS, 1907-8

Under the Faculties of Political Science, Philosophy and Pure Science [1]

ABELOW, SAMUEL PHILIP, B.S. 1905.....New York City
History, Social Economy

ABELS, MOSES JOSEPH SOLOMON, A.M. 1906, A.B. C. C. N. Y. 1904.....New York City
Social Economy, Philosophy

ABRAMS, LEONARD DAVID, A.B. C. C. N. Y. 1903.....New York City
History

ACKERMAN, HOWARD CHESTER, A.M. 1907, B.D. G. T. S. 1907.....Syracuse, N. Y.
Philosophy

ADAMS, (MRS.) FLORA DODSON, Ph.B. Chicago 1907.....Norfolk, Va.
Germanic, English

ADAMS, FRANCIS FREEMAN, B.S. Acadia 1907.....Fredericton, N. B., Canada
Chemistry, Bacteriology, Biol. Chemistry

ALBRIGHT, VICTOR E., A.B. Ohio Wesleyan 1901, A.M. Harvard 1904.Terra Alta, W. Va.
English, Comparative Literature

ALEXANDER, LUTHER HERBERT, A.B. Toronto 1883, A.M. 1885.....New York City
Romance, History

ALLEN, LUCY BRANCH, A.B. Wellesley 1897.....New York City
English

ALLES, ROBERT HARRY, B.S. C. C. N. Y. 1906.....East Orange, N. J.
English, German

ALLIS, MARY LINCOLN, B.S. 1906.....Amherst, Mass.
Sociology, Economics, History

ALLISON, GEORGE DEACON, A.M. 1907, Ph.B. Brown 1905.....New York City
Sociology, History

ALVORD, KATHARINE SPRAGUE, A.B. Michigan 1893.....Sandusky, Ohio
History, Sociology

AMANO, SEIICHI, A.M. 1906, equiv. A.B. Doninsha 1892.....Shizuoka City, Japan
Economics, Sociology, Political Philosophy

ANDERSON, ERVIN LEECH, A.B. West Virginia 1905.....Morgantown, W. Va.
Romance, German

ANDERSON, MARY PERLE, B.S. Mt. Holyoke 1890.....East Berkshire, Vt.
Botany

ARNER, GEORGE BYRON LOUIS, A.M. 1906, B.L. German Wallace 1904. Jefferson, Ohio
Sociology

AUERBACH, EVA FANNY, A.B. 1907.....New York City
Philosophy, Philanthropy

AULETA, VINCENT HENRY, A.B. Manhattan 1907.....New York City
English

AUSMUS, DAVID MAYNARD, A.B. Tennessee 1899.....Speedwell, Tenn.
English, Education

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[1] Assistants in the University who are at the same time pursuing courses for the higher degrees are not included in this list. Wherever the name of a State is given after a degree, it signifies that the student has graduated from the given State University.

AULT, JAMES PERCY, A.B. Baker 1904.....Ottawa, Kans.
Mathematics, Astronomy, Education

AUTENRIETH, GEORGE CARL, A.M. 1906, B.S. C. C. N. Y. 1902.....New York City
Mechanical Engineering

AYMAR, FRANCIS WHITCOMB.....New York City
LL.B. N. Y. U. 1897, LL.M. 1899, J.D. 1903, B. C. S. 1907
International Law, Constitutional Law, History

BAILEY, JAMES GARFIELD, A.B. Colgate 1905.....Scranton, Penn.
Sociology, Semetics, Philosophy

BAKER, EZRA FLAVIUS.....New York City
A.M. 1904, A.B. Mo. Valley 1898, B.D. Cumberland 1901 and Union 1905
Philosophy, Psychology

BALDWIN, BURTON JOHN, A.B. Wesleyan 1902 and Yale 1903.....Woodbridge, Conn.
Sociology, History

BALDWIN, FLORENCE THEODORA, A.B. 1900, A.M. 1902.....New York City
Latin

BALDWIN, LORENZO WILSON, A.B. Bowdoin 1907.....Newburyport, Mass.
Constitutional Law, Jurisprudence

BAMBERGER, AGNES LOUISE.....New York City
Geology

BARNES, CLYDE PHILANDER, A.B. Ohio Wesleyan 1905.....Shiloh, Ohio
Philosophy, Sociology

BARRETT, SAMUEL ALFRED, B.S. Cal. 1905, M.S. 1906.....San Francisco, Cal.
Anthropology

BARRICK, MARY OLIVE, A.B. 1901.....Jersey City, N. J.
Latin

BARROWS, ALICE PRENTICE, A.B. Vassar 1900.....New York City
English, Comparative Literature, Philosophy

BARTLETT, DWIGHT ALBERT, A.B. Williams 1903.....North Adams, Mass.
Chemistry

BASCH, EDITH AMES, B.S. Normal 1905.....New York City
Botany

BAUMER, HERBERT PETER.....New York City
equiv. A.B. Kanton Schule, Frauenfeld, Switzerland, 1897
Const. Law, Jurisprudence, Economics

BAXTER, MABEL WARREN, A.M. 1907, A.B. Knox 1899.....Galesburg, Ill.
History

BAXTER, R. WAVERLY, A.B. Cincinnati 1906.....Cincinnati, Ohio
Philosophy, History

BEACH, KING D., A.B. Albion 1905, A.M. Pennsylvania 1907.....Denton, Mich.
Social Economy

BECKER, FRANK CHESTER, A.B. Wesleyan 1905.....Plymouth, Pa.
Philosophy, Psychology

BECKWITH, CORA JIPSON, B.S. Michigan 1900.....Grand Rapids, Mich.
Zoology, Botany

BEECKMAN, FLORENCE LOUISE, A.B. 1904, A.M. 1905.....New York City
History

BERNAYS, JUDITH, A.B. 1907.....New York City
History

BERRY, EVIS HOWARD, A. M. 1907, A.B. Mt. Holyoke 1903.....New York City
Zoology, Psychology

BEST, HARRY, A.B. Centre 1901, A.M. George Washington 1902.....Millersburg, Ky.
Social Economy, Administrative Law

BISSELL, REV. PELHAM ST. GEORGE.....Freeport, N. Y.
A.B. 1880, A.M. 1904, A. K. C. Kings 1899
Sociology

BLAKEY, LEONARD STOTT, B.S. Beloit 1904..... Estherville, Ia.
Sociology, Economics, Philosophy

BLOCKER, SIMON, A.B. Rutgers 1905.....New Brunswick, N. J.
Philosophy, Greek

BLUMBERG, HENRY, A.B. 1907.....New York City
Mathematics, Math. Physics, Physics

BÖHLER, RICHARD FREDERICK.....Styria, Austria
equiv. A.B. Oberrealschule, Vienna, 1888, Grad. Bergakademie, Berlin, 1906
Metallurgy, Physics

BONSALL, VICTOR FITCH MOUNT, A.B. 1901, A.M. 1903..... New York City
English

BOWERS, LARKIN BRUCE, B.L. Ohio Wesleyan 1905.....Greenfield, Ohio
Sociology

BOWMAN, CORA MAY, Ph.B. Syracuse 1893, Ph.M. 1895.....New York City
Mathematics, Education

BOYLE, ALBERT CLARENCE, B.S. Utah 1905.....Salt Lake City, Utah
Geology, Mining

BOYLE, JOHN NEVILLE, A.B. 1906.....New York City
International Law, Administrative Law, Economics

BRADFORD, ARTHUR HOWE, A.B. Yale 1905.....Montclair, N. J.
Economics, Sociology, History

BRAND, CHARLES SAMUEL, LL.B., N. Y. Law 1904.....New York City
Constitutional Law

BRANDAU, GEORGE JULIUS, A.B. 1906.....New York City
Germanic, Education

BRANDENBURG, ELLEN K., B.S. George Washington 1904 .....Washington, D. C.
Botany, Education

BRAUTIGAM, ELISABETH RANDALL, A.B. 1906.....East Orange, N. J.
Sociology

BRECKINRIDGE, MARY GRACE, Ph.B. Cornell 1892.....Binghamton, N. Y.
Germanic, Education

BREED, PERSIS, A.B. Vassar 1899.....Louisville, Ky.
English, Education

BREENE, MARY LUELLA, A.B. Allegheny 1899.....Corry, Penn.
Latin, Education, History

BRETT, GEORGE MONROE, A.B. Bowdoin 1897.....Auburn, Me.
Mathematics, Astronomy

BREWSTER, ALICE DOROTHY, A.B. 1906, A.M. 1907.....New York City
Comparative Literature

BRIGHAM, L. WARD.....New York City
B.S. Lombard 1886, M.S. 1888, M.D. Bennett Med. 1890
Sociology, Anthropology

BROGAN, ANTHONY J., Litt. B. Notre Dame 1901.....New York City
English

BROWN, MARY LOUISE.....Fort Worth, Tex.
English

BROWNE, DUNCAN HODGE, A.B. 1905.....New York City
Sociology

BROWNE, ETHEL NICHOLSON.....Baltimore, Md.
A.M. 1907, A.B. Woman's Coll. of Baltimore 1906
Zoology, Botany

BROWNE, MABEL EMMA, A.B. 1906.....New York City
Mathematics

BRUCE, WALTER JOSEPH, A.B. Cumberland 1895.....West Nashville, Tenn.
Sociology

BRUNSON, GEORGE HENRY.....Clinton, Miss
A.B., Mississippi Coll. 1898, A.M. 1900, Chicago 1901
History, Constitutional Law

BUCHBINDER, HYMAN ELIAS, B.S. C. C. N. Y. 1901.....New York City
Chemistry, Biol. Chemistry

BUCHER, MARIA E., A.B. Woman's College Baltimore 1905.....Lebanon, Penn.
Germanic, Education

BUCK, KARL WILHELM..... Emden, Germany
LL.B. 1907, equiv. A.B. Gymnasium, Emden, Germany 1899
Jurisprudence

BUCKLEY, FRANCIS, A.B. Holy Cross 1905, A.M. Yale 1906.....Bridgeport, Conn.
English

BULAND, MABLE ELECTA, A.B. Washington 1904.....Castle Rock, Wash.
English, Comparative Literature

BÜRGER, EUGENIE.....New York City
English

BURLINGHAM, GERTRUDE SIMMONS, A.B. Syracuse 1896.....New York City
Botany, Biol. Chemistry

BUTLER, ALICE S., A.B. Cornell 1903 ..... Indianapolis, Ind.
English, Comparative Literature

BUTLER, BERTRAM THEODORE, Ph.B. Hamline 1901.....Helena, Mont.
Botany, Geology

BUTLER, CORA LEILA, A.B. Wellesley 1904.....St. Louis, Mo.
Mathematics, Philosophy

BYERLY, EVA MARY, A.B. Michigan 1901.....Anamosa, Ia.
Latin, History

BYRNE, MARGARET CECELIA, A.B. 1905.....New York City
Greek, Latin

CAMERA, AMERICO ULYSSES NICHOLAS, A.M. 1901, Ph.B. N.Y.U. 1900..New York City
Romance

CARLSON, ERNEST WILLIAM, A.B. Augustana 1905.....Kenilworth, N. J.
Mathematics

CARPENTIER, MARIUS ALEXANDER, B.S. C. C. C. N. Y. 1889.....New York City
Romance, German

CARTER, GEORGE BRADLEY, B.S Amherst 1906.....New York City
History, Sociology

CASTERLIN, ERLE HOYT, Ph.B. Alma 1907.....Mason, Mich.
History, Political Philosophy, Economics

CASTRITSY, GEORGE PETER.....New York City
English

CATLIN, WARREN BENJAMIN, A.B. Nebraska 1903.....Peru, Neb.
Economics, Sociology, Constitutional Law

CAWLEY, AGNES ALICE, A.B. Brown 1904.....Bayonne, N. J.
English, Philosophy

CAZIN, ADELE, B.S. 1904.....Hoboken, N. J
Chemistry

CHADDOCK, ROBERT EMMET, A.M. 1906, A.B. Wooster 1900.....Minerva, Ohio
Sociology, Economics

CHAMBERLAIN, ERNEST BARRETT, A.B. Oberlin 1904, A.M. 1906.....Oberlin, Ohio
Chinese

CHAPMAN, MILDRED BICE, Ph.B. Syracuse 1903.....East Cobleskill, N. Y.
History, Economics

CHASE, ALICE GODDARD, A.B. 1896.....New York City
Sociology, History

CHEN, HUAN-CHANG, equiv. A.B. Chin-Shih College, Peking, 1904....Canton, China
Economics, International Law, Constitutional Law

CHEN, W. F., equiv. A.B. Peking 1904, B.S. Ohio Wesleyan 1906.....Peking, China
Metallurgy, Geology, Mining

CHODOROV, FRANK, A.B. 1907.....New York City
English, German

CLAPP, ELSIE.....New York City
Philosophy

CLARK, JOHN MAURICE, A.M. 1906, A.B. Amherst 1905.....New York City
Economics, Constitutional Law

CLARK, WALTER ERNEST.....Defiance, Ohio
Ph.D. 1903, A.B. Ohio Wesleyan 1896, A.M. 1898
Sociology

CLARKE-SMITH, LINDA, B.S. 1906, A.M. 1907.....New York City
Sociology, History

CLARKSON, WILLIAM TEMPLE.....Birmingham, Ala.
Sociology, Economics

COHEN, ALEXANDER, A.B. C. C. N. Y. 1906.....New York City
Semitics, Philosophy, Sociology

COHEN, HELEN LOUISE, A.B. 1903, A.M. 1905.....New York City
English

COLE, MARION LUCENA, A.B. Wellesley 1907.....Yonkers, N. Y.
Philosophy, English

COLEMAN, ANNA ALOYSIUS, A.B. Trinity (D.C.) 1904.....Pelham Manor, N. Y.
French

COLLINS, CHARLES MOORE, A.B. Lincoln 1894, A.M. 1896.....New York City
Economics

COLODNY, ISIDOR, Ph.B. Vermont 1905, A.M. 1907.....New York City
English, Comparative Literature

COMIN, ROBERT, A.B. Princeton 1897.....New York City
History

CONANT, SARAH HOWARD, A.M. 1906, B.S. Wellesley 1887.....North Thetford, Vt.
Sociology

COOPER, CLAYTON SEDGWICK, A.M. 1907, A.B. Brown 1894.....Montclair, N. J.
Philosophy

CORCORAN, CHARLES ALOYSIUS, A.M. 1906, B.S. C. C. N. Y. 1904.....New York City
Math. Physics, Physics

COSS, JOHN JACOB, A.B. Wabash 1906.....Greencastle, Ind.
Philosophy, Sociology

CRAIG, PERCY GAINES, A.M. 1907, A.B. Arkansas 1906.....Little Rock, Ark.
Germanic, English

CRAWFORD, LEONIDAS WAKEFIELD, JR.....Greensboro, N. C.
A.M. 1903, A.B. Trinity (N.C.) 1898
English

CURTIS, CHARLES DENSMORE, A.B. Pomona 1900, A.M. Colorado 1901..New York City
Latin, Greek

DARBY, WILLIAM LAMBERT, A.B. Cumberland 1895, B.D. 1898.....New York City
Sociology

DARGAN, ALICE WOODS, A.B. Winthrop 1902.....Darlington, S. C.
English, Latin

DATAR, ANANT NARAYAN, A.B. Bombay 1891, LL.B. 1893.....Baroda, India
Sociology, Economics, Political Philosophy

DAVIES, THOMAS, A.B. Kings (Nova Scotia) 1899, A.M. 1902.Windsor, Nova Scotia, Can.
Philosophy, History

DAVIS, ALICE, A.M. 1904, Ph.B. Chicago 1899.....New York City
History

DAVIS, ASHTON WEYMOUTH, B. S. Wesleyan 1900.....Hackettstown, N. J.
Chemistry, Biological Chemistry

DAVIS, DORA WILHELMINA, A.B. Wesleyan 1902.....New York City
English

DAVIS, ROBERT, A.M. 1907, A.B. Dartmouth 1903.....Harwichport, Mass.
Sociology, Economics

DAVIS, WILLIAM HAWLEY, A.B. Harvard 1905.....New York City
English, Comparative Literature

DAVIS, WILLIAM WATSON.....Oak Grove, Ala.
A.M. 1906, B.S. Ala. Polytech. 1903, M.S. 1904
History, Economics

DEMCOTT, OREY MASON, A.B. Keuka 1903, B.D. Union 1907.....Wood Ridge, N. J.
Sociology

DE GRANGE, MCQUILKIN, A.B. Johns Hopkins 1900, Catholic U. 1903..Frederick, Md.
Comparative Literature, English

DEWALSH, FAUST CHARLES, A.B. Rochester 1903.....New York City
Germanic, French

DHALLA, MANECKJI NUSSERVANJI, A.M. 1907.....Surat, India
Indo-Iranian, Philosophy

DICE, CHARLES AMOS, A.B. Ohio Northern 1905.....Strasburg, Ohio
Philosophy

DICKINSON, HENRY NASH, A.B. Amherst 1889.....New York City
Latin

DILLON, AUGUSTUS IGNATIUS, A.B. Amherst 1906.....Cortland, N. Y.
English

DODD, FREDERICK FERRIS, A.B. Yale 1905.....New York City
History

DODD, ROLIN, B.S. Whitman 1906.....Seattle, Wash.
Philosophy, History

DONOHOE, JOHN A., A.B. St. Francis Xavier 1901.....New York City
English

DOTEY, AARON ISAAC, A. B. De Pauw 1890.....New York City
Latin

DOTY, KATHARINE SWIFT, A.B. 1904, A.M. 1905.....New York City
History

DOUGHERTY, PHILIP, B.S. Trinity (Conn.) 1907.....Charleston, Ill.
History, Philosophy

DOX, RALPH WATSON, A.B. 1906.....Lockport, N. Y.
Jurisprudence, Sociology

DREDGE, ROBERT FREDERICK GARFIELD, A.B. Manitoba 1907..Rockwood, Ont., Canada
Sociology

DUNHAM, SAMUEL RAYMOND, A.B. Ohio Wesleyan 1906.....Delaware, Ohio
Philosophy, Sociology

DUTTON, LOUISE ELIZABETH, A.B. Vassar 1905.....Ellsworth, Maine
English

EDDY, WALTER HOLLIS, B.S. Amherst 1898.....New York City
Biological Chemistry

EDELBLUTE, LUCIUS AARON, A.M. 1907, A.B. Kenyon 1904.....Chicago, Ill.
History, Sociology

EDGCOMBE, OLIVE BALLARD, A.B. Vassar 1907.....Cortland, N. Y.
History, Sociology

EDGELL, FRANK DEXTER, A.B. Amherst 1893.....New York City
Psychology

EDMUNDS, AMY GERTRUDE, A.B. Nevada 1897.....Butte, Mont.
English, Comparative Literature

EGELSON, LOUIS ISAAC, A.M. 1907, A.B. C. C. N. Y. 1904.....New York City
Semitics, Philosophy

ELMORE, ROBERT B., A.B. Princeton 1901.....Chattanooga, Tenn.
Education

ELTING, MABEL, A.B. 1901.....New Paltz, N. Y.
English

EMERSON, ETHEL M., A.B. Cornell 1902.....New York City
English

EMERY, STEPHEN, A.B. Boston 1890, A.M. 1903.....New York City
Mathematics

ERICKSON, PERCY ELWOOD, A.B. Dartmouth 1906.....Newark, N. J.
Sociology, History

ERWIN, MARGUERITE, A.B. Randolph-Macon Woman's 1907.....Washington, D. C.
History, English

ETHERIDGE, PEARL HUNTLEY, A.B. Meridian 1904.....Hamburg, Ark.
English

FEDTER, BRUNO, A.M. 1905, A.B. C. C. N. Y. 1903.....New York City
Latin, Greek

FEIGENBAUM, WILLIAM MORRIS, A.B. 1907.....New York City
History, Sociology

FEINBERG, BENJAMIN GEORGE, B.S. C. C. N. Y. 1906.....New York City
Chemistry, Metallurgy

FENNER, CLARENCE NORMAN, E.M. 1892.....Paterson, N. J.
Geology, Mining

FERRARI, ROBERT ANTHONY, A.B. 1905, A.M. 1907.....New York City
English, History

FICHANDLER, ALEXANDER, A.B. N. Y. U. 1905.....New York City
Sociology

FIELD, HORACE LUTHER, A.B. Cornell 1902.....New York City
Greek, Latin

FISH, JOSEPH BURTON, B. S. C. C. N. Y. 1905.....New York City
Zoology

FISHER, EDGAR JACOB, A.B. Rochester 1906, A.M. 1907.....Rochester, N. Y.
History, Economics

FITCH, GEORGE ASHMORE, B.S. Wooster 1906.....Shanghai, China
Chinese, Philosophy, History

FLATOW, JACOB, A.B. C. C. N. Y. 1904.....New York City
Romance

FLEXNER, ABRAHAM, A.B. Johns Hopkins 1886, A.M. Harvard 1906....New York City
Philosophy

FOCHT, MILDRED, A.B. Bryn Mawr 1904.....Plainville, Conn.
English, Philosophy

FORMAN, RAYMOND LALOR, Ph.B. Wesleyan 1907.....New York City
Economics

FOSDICK, HARRY EMERSON, A.B. Colgate 1900, B.D. Union 1904.....Montclair, N. J.
Sociology, Economics

FOSTER, HELEN WRIGHT, A.B. Vassar 1901.....Orange, N. J,
Germanic, Comparative Literature

FOSTER, WALTER EUGENE, A.B. Williams 1899.....New York City
Latin

FOWLER, SUSAN, A.B. Bryn Mawr 1895.....Catonsville, Md.
Latin

FRACHTENBERG, LEO JOACHIM, A.M. 1906.....New York City
Linguistics, Indo-Iranian, German

FRANCK, HARRY A., A.B. Michigan 1903.....Milwaukee, Wis.
English

FRANK, COLEMAN DUDLEY, Ph.B. Michigan 1897, A.M. 1901.....Toledo Ohio
Romance

FRANKLIN, ALBERTA MILDRED, A.B. Wellesley 1904.....Atlantic Highlands, N. J.
Latin

FRAPWELL, ALBERT, A.B. Michigan 1907.....Morristown, N. J.
Chemistry, Metallurgy, Geology

FREECE, HANS PETER, A.B. Park 1904.....Salina, Utah
History, Political Philosophy, Constitutional Law

FRIEDLAND, LOUIS SIGMUND, A.B. C. C. N. Y. 1905.....New York City
English, Comparative Literature

FROST, JACOB MOSES, equiv. A.B. Gymnasium Przemysl, Austria 1904...New York City
Germanic

FUCHS, SAMUEL ALEXANDER, B.S. 1907.....New York City
Chemistry

GABRIEL, BERTRAM ADOLPH, A.B. Yale 1907.....New York City
Constitutional Law, Jurisprudence

GALLATIN, GOELET, A.B. 1900.....New York City
Economics

GARDNER, EDWARD HALL, A.B. Amherst 1905.....Chester, N. J.
English, Comparative Literature

GARNIER, HORATIO KNIGHT, Grad. General Theol. Sem. 1906.....Trenton, N. J.
Philosophy, Sociology

GELBACH, MARIE, A.B. 1906, A.M. 1907.....New York City
Germanic, French

GERE, LOUISA BREWSTER, A.B. Wellesley 1889.....Fulton, N. Y.
Comparative Literature

GERRISH, WILLIAM CHURCHILL, A.M. 1907, A.B. Harvard 1899..New Canaan, Conn.
History, Sociology

GIEHL, JENNIE A., A.B. Vassar 1902.....Rome, N. Y.
Germanic, Education

GILDERSLEEVE, VIRGINIA CROCHERON, A.B. 1899, A.M. 1900.....New York City
English

GILLET, LOUIS BLISS, A.B. 1904.....New York City
English

GLADWIN, HARRY WILLIAMS, A.B. Amherst 1905.....Westfield, Mass.
History, English

GLÜCK, EMIL, A.B. C. C. N. Y. 1896.....New York City
Psychology, Education

GOERTNER, (MRS.) ROSAMOND, B.S. 1907.....New York City
History

GOLDBERG, HIRSCH, Ph.D. Prague 1902.....New York City
Philosophy, Sociology, Economics

GOLDBERG, SAMUEL ISAAC, B.S. C. C. N. Y. 1904.....New York City
Mathematics, Math. Physics

VON GOLDBERGER, TIBOR.....Budapest, Hungary, Austria
equiv. A.B. Friedrich Wilhelm Gymnasium, Agrano, Hungary, 1907
Economics, Jurisprudence, Administrative Law

GOLDFARB, ABRAHAM J., B.S. C. C. N. Y. 1900.....New York City
Zoology, Physiology

GOLDSMITH, ALFRED NORTON, B.S. C. C. N. Y. 1907.....New York City
Physics, Math. Physics, Mathematics

GOLLOMB, JOSEPH, A.B. C. C. N. Y. 1902.....New York City
Education

GOODHART, HELEN LEHMAN, A.B. 1907.....New York City
Sociology

GOODLATTE, AMELIA R., A.B. Wells 1900.....Passaic, N. J.
Botany

GOODWIN, EDNA, A.B. Friends 1902.....Wichita, Kans.
Greek

GORFINKLE, JOSEPH ISAAC, A.B. Harvard 1903, A.M. 1904.....Boston, Mass.
Semitics, Economics

GOUDY, FRANKLIN BURRIS, A.B. Stanford 1907.....Denver, Colo.
Mining, Mineralogy, Geology

GRAHAM, SUSAN PHILIPPA, A.B. Cornell 1904.....New Rochelle, N. Y.
English

GRATIGNY, R. K.....New York City
Physics

GRAY, CLAUDINE, A.B. Normal 1897.....New York City
Romance

GRAY, LOUIS HERBERT, A.M. 1898, Ph.D. 1900, A.B. Princeton 1896...Newark, N. J.
Semitics

GREEN, HOWARD CHARLES, A.B. C. C. N. Y. 1902.....New York City
History

GREEN, THOMAS,.....Toronto, Canada
A.B. Toronto 1902, A.M. 1906, B.D. Victoria 1906
Philosophy, Education, Sociology

GREENBERG, JACOB, A.M. 1905, A.B. C. C. N. Y. 1904.....New York City
Philosophy

GREER, FLORENCE, A.B. Vassar 1899.....New York City
Philosophy

GREGORY, JOHN H., Jr.....Paris, France
International Law

GREGORY, LOUISE HOYT, A.M. 1907, A.B. Vassar 1903.....Princeton, Mass.
Zoology, Botany

GRENDON, FELIX, A.M. 1902, B.S. C. C. N. Y. 1900.....New York City
English

GRIES, JOHN MATTHEW, A.B. Miami 1905, A.M. 1906.....New York City
Economics

GRIFFIN, HOWARD COUSENS, A.B. Bowdoin 1904.....Bangor, Me.
Chemistry

GRIFFITH, PRISCILLA, B.S. 1907.....Fredonia, N. Y.
English, History

GROSS, HENRY ISAAC, B.S. C. C. N. Y. 1906.....New York City
Mathematics

GUÉBIN, LOUISE, equiv. A.B. Lycée Molière 1901..... New York City
Romance

GUTHRIE, KENNETH SYLVAN.....Philadelphia, Penn.
Ph.D. Tulane 1894, A.M. Harvard 1895, M.D. Medico Chirurg'l Phila. 1904
Indo-Iranian

GUTHRIE, WILLIAM BUCK.....New York City
Ph.D. 1907, B.S. Lenox 1893, Ph.B. Iowa 1895
Sociology

GUYNN, EDGAR HART, A.B. Yale 1906.....Ridgefield, N. J.
English

HAAS, GEORGE CHRISTIAN OTTO, A.B. 1902, A.M. 1903.....New York City
Indo-Iranian

HAEFELIN, FANNY JOSEPHINE, B.S. 1905.....Mount Vernon, N. Y.
Germanic

HAESSLER, LUISE, A.B. Chicago 1906.....New York City
Germanic

HALL, HENRY MARION, A.B. Harvard 1899.....New York City
English

HALL, WALTER PHELPS, A.B. Yale 1906.....Newburgh, N. Y.
History, Economics

HALLIDAY, EDGAR, A.M., 1902, A.B. Princeton 1898.....New York City
Latin

HALPERN, MORRIS..... New York City
Sociology

HALSTED, HARRY HOWARD, A.B. C. C. N. Y. 1904.....New York City
Education

HAM, EDWARD ORVILLE, A.B. Michigan 1907.....Chicago, Ill.
English

HANDY, EDITH BERKELEY, A.B. 1905.....New York City
Zoölogy

HANKE, EMIL, A.B. Colgate 1907.....Buffalo, N. Y
Germanic, Comparative Literature

HANKINS, FRANK HAMILTON, A.B. Baker 1901.....New York City
Sociology, Economics

HANNAH, FLORENCE, A.B. Vassar 1903.....Poughkeepsie, N. Y.
English

HARDY, HELEN ELIZABETH, A.B. Wilson 1907.....Easton, Penn.
English, French

HARE, RUSSELL INGMAN, A.B. Ohio State 1905.....Muskegee, I. T.
Constitutional Law, History

HARRINGTON, MARK RAYMOND, B.S., 1907.....New York City
Anthropology, Sociology

HARRISON, EARL STANLEY, A.B. Toronto 1894.....New York City
Romance

HARRISON, LESTER, A.B. 1907.....New York City
Comparative Literature, French

HARVITT, HELEN JOSEPHINE, A.B. 1907.....New York City
Romance

HASKELL, JULIANA (MRS. H. S.), A.B. 1904, A.M. 1905.....New York City
Germanic, Romance

HATHAWAY, GALEN BISHOP, A.M. 1906, A.B. Missouri 1902.....New York City
Economics, Sociology, English

HATTOM, ISAIAH MURADKHON, equiv. A.B. Urmiah 1903.....Urmiah, Persia
Philosophy

HAUCH, EDWARD FRANKLIN, A.B. Toronto 1907.....Pembroke, Canada
Germanic

HAYMAN, JACOB, A.M., 1906, C. E. Brown 1894.....New York City
Sociology

HAYWARD, AFTON SMITH, B.S. Amherst 1906.....Amherst, Mass.
Germanic

HELLIN, LILIAN, A.B. 1907.....New York City
Philosophy

HENDRICKS, ETHEL, A.B. 1905, A.M. 1907.....New York City
Latin

HENRICKS, WALTER ABRAHAM, A.B. Princeton 1907.....Philadelphia, Penn.
English, Philosophy

HENRIQUES, MAURICE COHN, A.B. C. C. C N. Y. 1903.....New York City
Mathematics

HENRY, JAMES MCCLURE, A.B. Wooster 1901, B.D. Union 1907....Canonsburg, Penn.
Semitics

HERBERT, LEON M., A.B. C. C. N. Y. 1906.....New York City
Romance, Semitics

HERRMANN, SENTA, A.B. 1906, A.M. 1907.....New York City
Philosophy, Psychology

HERTZOG, WALTER SYLVESTER, A.B. Harvard 1905.....Shamokin, Penn.
Sociology, Social Economy

HEUERMANN, HELENA F., A.B. Adelphi 1902.....New York City
Germanic

HEVESH, JOSEPH.....New York City
Semitics, Philosophy, Sociology

HEYNICH, RICHARD OTTO.....New York City
equiv. A.B. Lehrer Seminar, Osterode, Germany, 1892
Germanic

HIGGINS, ERIC.....Liverpool, England
A.M. S. T. Municipal Technical School, Manchester, 1903, B.S. Owens College, Manchester, 1906
Chemistry, Physics

HINE, LEWIS W.....New York City
Sociology

HIRSCH, REV. MAX ALFRED LEOPOLD.....Newark, N. J.
equiv. A.B. Gymnasium, Torgau, Germany, 1888, equiv. B.D. 1891
Sociology, Economics, History

HIRSCHENSOHN, ESTHER, A.M. 1907.....Hoboken, N. J.
Philosophy, French

HIRSCHENSOHN, NIMA, A.M. 1907.....Hoboken, N. J.
Philosophy, French

HIRSH, ABEL.....New York City
A.M. 1907 equiv. A.B. Beth Hamidrasch, Frankfurt, Germany, 1903
Semitics, Philosophy, Sociology

HODGETTS, ABBIE SYLVIA, A.M. 1902, A.B. Nebraska Wesleyan 1896..New York City
English

HOLBROOK, CHARLES HENRY, A.B. Boston 1902, A.M. 1903.....Lynn, Mass.
English

HOLLIDAY, JOHN HAMPDEN, JR.....Indianapolis, Ind.
B.S. Mass. Inst. of Tech. 1905
Metallurgy, Chemistry

HOLT, CARRIE MAUDE, A.B. Wellesley 1903.....Saxton River, Vt.
Zoology, Physiology

HOLTZOFF, ALEXANDER.....New York City
Political Philosophy, Constitutional Law

HONDA, MASUJIRO, equiv. A.B. Kobur Gakkwin 1890.....Okayama, Japan
Oriental Languages

HOPKINS, MARY ALDEN, A.B. Wellesley 1900.....Bangor, Maine
English, Psychology

HORIUCHI, SHUNTARO.....Tokyo, Japan
equiv. A.B. Waseda 1903
Economics, Sociology

HORTON, BYRON BARNES, A.M. 1907, B.S. Penn. State 1895.....Sheffield, Penn.
Zoology

HOUSE, HOMER DOLIVER, A.M. 1904, B.S. Syracuse 1902.....Oneida, N. Y.
Botany

HOWE, HERBERT BARBER, A.B. Williams 1905.....East Orange, N. J.
Sociology, History

HOWE, WALTER EDWIN.....Jersey City, N. J.
Philosophy

HOYT, SARAH FENTON, A.B. 1905.....New York City
Semitics

HUBBELL, MRS. LUCY BATES, A.B. 1904.....New York City
English

HULST, GEORGE DURYEE, A.B. Williams 1906.....New York City
Sociology, Social Economy

HUMPHREY, ADELE, A.B. Kansas 1895.....Topeka, Kans.
English, Comparative Lit., Philosophy

HUMPHREYS, EDWIN WILLIAM, A.M. 1906, A.B. C. C. N. Y. 1903.....New York City
Geology

HUNNEX, WILLIAM A.....Chingkiang, China
Chinese

HUNT, ARTHUR PRINCE.....New York City
A.B. Amherst 1897, A.M. 1900, B.D. General Theol. Sem. 1901
Philosophy

HUNT, MAY LELAND, B.L. Wisconsin 1897, M.L. 1898.....Oneida, N. Y.
English

HUNTER, GRAHAM CHAMBERS, A.B. Princeton 1904.....Denver, Colo.
Economics

HUTCHINSON, EMILIE JOSEPHINE, A.B. 1905.....New York City
Economics

HUTH, CARL FREDERICK LUDWIG, A.B. Wisconsin 1904, A.M. 1905....Milwaukee, Wis.
History, Jurisprudence

HYDE, HENRIETTA B.....New York City
Social Economy

HYDE, JESSE EARL, A.M. 1907, A.B. Ohio State 1906.....Lancaster, Ohio
Geology, Zoology

ICHINOSE, GONROKU, equiv. A.M. Tokyo 1903.....Tokyo, Japan
Economics, Sociology, International Law

INAGAKI, YOCCHIRO, Grad. St. Paul's (Tokyo) 1896.....Wakayama, Japan
Sociology

INGRAHAM, OLIN, A.M. 1905, Ph.B. Wesleyan 1904.....New York City
Economics

INOUYE, SHINWO, equiv. A.B. Imperial Tokyo Univ. 1905.....Echigo, Japan
Philosophy, Education

INTEMANN, ALFRED CHRISTOPHER, A.B. C. C. N. Y. 1906.....New York City
Constitutional Law

IOKI, TOSHI, A.B. Nippon Law College 1895.....Onsengun, Japan
Sociology, Economics, History

ISAACS, CHARLES APPLEWHITE, A.B. Indiana 1905.....Brownstown, Ind.
Mathematics, Math. Physics

ISHAM, ALFRED FENNER, A.B. Colorado College 1900.....Milton, Wis.
English, Comparative Literature

IVES, PAULINE.....New York City
Comparative Literature

JACOBS, LEO, A.M. 1905, A.B. C. C. N. Y. 1900.....New York City
Philosophy, Psychology

JACOBS, PHILIP PETER, A.B. Syracuse 1903.....Madison, N. J.
Sociology, Social Economy, History

JAMES, ROSALIE TELFAIR, A.B. Bryn Mawr 1903.....Columbus, Ohio
Romance, Comparative Literature

JENNINGS, CORINNE MARIE, A.B. St. Elizabeth 1905.....Washington, D. C.
Mathematics

JOFFE, JOSHUA ABRAHAM, equiv. A.B. Gymnasium, Berlin 1888.....New York City
Philosophy, English

JOHNSON, ALICE HARLOW, A.B. Radcliffe 1903.....Augusta, Maine
English, Education

JOHNSON, ROSWELL H., B.S. Chicago 1900, M. S. Wis. 1903..Cold Spring Harbor, N. Y.
Geology

JOHNSON, WILLIAM ALAN, Ph.B. Illinois Wesleyan 1904.....Newark, N. J.
Chemistry

JOLLON, ALFRED JOHN, A.B. St. John's (Bklyn) 1905.....New York City
International Law, Constitutional Law, Political Philosophy

JOUARD, FAREL LOUIS, A.B. 1904.....New York City
Chemistry

KAHN, LENA, equiv. A.B. Gymnasium, Libau, Russia, 1904.....New York City
Germanic, Philosophy

KAKUSEN, NIBU.....Japan
Philosophy

KANE, THOMAS FRANCIS, A.B. Cornell 1892.....New York City
Mathematics

KARNOPP, CHARLES FREDERICK, A.B. Colorado 1905.....Almond, Wis.
Sociology, Philosophy

KATO, TAIJIRO, equiv. A.B. Waseda 1907.....Tokyo, Japan
Economics, Sociology, Political Philosophy

KATZENSTEIN, CHARLES JACKSON, A.B. North Carolina 1907....Warren Plains, N. C.
Constitutional Law

KEEP, AUSTIN BAXTER, A.B. Amherst 1897, A.M. 1901.....New York City
History

KEMP, WILLIAM CULLEN BRYANT.....New York City
A.B. 1900, A.M. 1901, LL.B. 1896, LL.M. 1901
International Law

KENNEDY, MARY STEWART.....New York City
A.M. 1902, A.B. Adelphi 1901, Pd. D. N. Y. U. 1902
Comparative Literature

KENNEDY, MAXWELL MILLER.....New York City
English

KEYSER, HERMAN JULIUS.....New York City
Philosophy

KIBBE, WILLIAM JOHNSON.....Galveston, Tex.
A.B. Austin 1903, B.D. Austin Theol. Sem. 1907
Philosophy, Sociology

KILROE, EDWIN PATRICK, A.B. 1904, A.M. 1905, LL.B. 1906.....Tanners Falls, Penn.
Constitutional Law

KIMBALL, ELIZABETH GARDNER, A.B. Radcliffe, 1903.....Nashua, N. H.
History, English

KIMURA, TOKUZO, A.B. Stanford 1906.....Hirobuchi, Japan
Zoology, Botany

KINGSLEY, CLARENCE DARWIN, A.M. 1904, B.S. Colgate 1897.....New York City
Philosophy

KLAPPER, PAUL, A.B. C. C. N. Y. 1904, A.M. N. Y. U. 1907.....New York City
Economics

KLAUBER, MRS. ADOLPH.....New York City
English

KLEEBERG, GORDON SAUL PHILIP, A.B. 1905, A.M. 1906, LL.B. 1907...New York City
Constitutional Law

KNEISLY, GEORGE WALLACE, B.S. Oklahoma 1907.....Guthrie, Okla.
Geology, Mineralogy, Metallurgy

KNICKERBOCKER, WILLIAM EDWIN, A.B. C. C. N. Y. 1904.....New York City
Romance, English

KOEBERLIN, FREDERIC RICHARD, B.S. Mo. School of Mines 1901. Cananca, Sonora, Mex.
Geology, Mining

KOHN, LUCILE, A.B. 1903, A.M. 1905.....New York City
Sanskrit

KORN, ALBERT RALPH.....New York City
Economics

KORN, HAROLD, A.B. 1901.....New York City
Social Economy, International Law, Jurisprudence

KOYAMA, TANIZO.....Misumura, Japan
Economics, Sociology

KRANZ, JAMES PHILIP, A.B. Minnesota 1904.....St. Paul, Minn.
Social Economy

KRENNING, EDNA AMELIA, B.S. 1907.....Fort Recovery, Ohio
English, Comparative Literature

KROPFF, ALFRED HEMMER, B.S. (Chem.) 1907.....New York City
Chemistry, Physics

KUMAMOTO, SAICHI, Grad. Kobé Higher Commercial 1907.....Tokyo, Japan
Economics, Sociology, International Law

KUMOI, KENJIRO, equiv. A.B. Waseda 1907.....Tokyo, Japan
Economics, Sociology, Political Philosophy

KURTZ, ANNA ELIZABETH, Ph.B. Ohio 1901..... East Stroudsburg, Penn.
Geology

KUSCHKE, CHARLES, equiv. Mech. E. Mittweida Technikum 1906..Polkwitz, Germany
Mathematics, Physics, Math. Physics

LAKE, HENRIETTA, B.S. St. Lawrence 1886.....New York City
Sociology, History

LAMBUTH, DAVID KELLEY, A.M. 1901, A.B. Vanderbilt 1900.....Nashville, Tenn.
English

LAMONT, FLORENCE CORLISS, A.M. 1898, B.S. Smith 1893.....Englewood, N. J.
Philosophy

LANE, BEATRICE ERSKINE, A.B. Radcliffe 1898.....Stamford, Conn.
Social Economy, Philanthroy

LARSON, JAMES HENRY, Ph. B. Chicago 1906.....Holyoke, Mass.
Social Philosophy, Philanthrophy

LASHER, WILLIAM REUBEN, Ph.B. St. Lawrence 1899.....New York City
Mathematics

LATHAM, MARCIA LOUISE, B.S. North Carolina 1900.....Plymouth, N. C.
Mathematics

LAWRENCE, LILLIE MARIA, B.S. 1905.....Lebanon, N. H.
Latin

LEAVITT, CHARLOTTE MENDELL, Ph.B. Michigan 1899.....Topeka, Kans.
English, Comparative Literature

LEE, ELI FRANKLIN, A.B. Trinity (N. C.) 1905.....East Durham, N. C.
Sociology

LEE, MARGUERITE THOURN, B.S. Cornell 1894, A.M. N. Y. U. 1905 ....New York City
Zoology

LEEDS, WARNER MIFFLIN.....New York City
History, Economics

LELAND, ABBY PORTER, A.B. 1905, A.M. 1906.....Mechanicsville, N. Y.
Philosophy

LELAND, FANNIBELLE, A.B. 1905.....New York City
English, German

LEMOWITZ, NATHAN HARRY, B.S. C. C. N. Y. 1904.....New York City
Sociology

LESSEY, BEATRICE, A.B. Stanford 1905.....California
Romance, English

LESTER, CAROLINE FOOTE, B.S. 1903.....Seneca Falls, N. Y.
English, History

LESTER, CLAUD FREDERICK, B.S. Middlebury 1903.....Elizabeth, N. J.
History

LEUCHS, FREDERICK ADOLPH HERMAN, A.B. 1907.....New York City
Germanic, Education

LEVINE, LOUIS.....New York City
Sociology, Philosophy

LEVINE, MORRIS, A.B. C. C. N. Y. 1906.....New York City
Semitics, Philosophy

LEWINSKI, EDWARD HENRY.....New York City
equiv. A.B. Oberrealschule, Warsaw, Russia
Economics, Sociology, Constitutional Law

LEWIS, ERNEST D.....New York City
A.B. Stanford 1892, A.M. 1893, A.M. Harvard 1897
History, Economics

LEWIS, JOSEPH VOLNEY.....New Brunswick, N. J.
B.S. North Carolina 1891, B.S. Harvard 1893
Geology

LICHTENBERGER, JAMES P., A.B. Eureka 1893, A.M. Hiram 1902.....New York City
Sociology, Philosophy

LINEHAN, PAUL HENRY, A.B. Havard 1902.....New York City
Mathematics

LIPE, MARY VICTORIA, A.B. Vanderbilt 1907.....Nashville, Tenn.
Greek, Latin, Philosophy

LIPSKY, ABRAM, A.M. 1900, Ph.D. 1907, Ph.B. Rochester 1895.....Rochester, N. Y.
Psychology

LIVINGSTON, ALBERT ARTHUR, A.B. Amherst 1904.....Attleboro, Mass.
Romance, Latin

LOCKE, CAROLINE MARION, A.B. Wellesley 1900.....Mount Vernon, N. Y.
Latin

LONG, EMILIE OLIVIA, B.S. Normal 1902.....New York City
Geology

LOTHROP, ALFRED PEIRCE, A.B. Oberlin 1901, A.M. 1907.....Leominster, Mass.
Chemistry, Physics

LOWENTHAL, ESTHER, A.B. Bryn Mawr 1905.....Rochester, N. Y.
Economics, Sociology, History

LOWTHER, EDGAR ALLEN, A.B. Syracuse 1902, B.D. Union 1907.....New York City
Sociology

LUBARSKY, LOUIS HENRY, B.S. C. C. N. Y. 1904.....New York City
Mathematics, Physics

LUCAS, DANIEL RALPH.....Lafayette, Ind.
A.M. 1906, M.D. 1907, B.S. Purdue 1903, Ph.G. 1901
Biological Chemistry, Physiology

LUCAS, EDMUND DELONG, A.B. Wooster 1903.....Lahore, India
Semitics

LUCCOCK, HALFORD EDWARD, A.B. Northwestern 1906.....St. Louis, Mo.
Philosophy

LUETSCHER, GEORGE DANIEL, B.L. Wis. 1898, Ph.D. Penn. 1902..Prairie-du-Lac, Wis.
History

LUPTON, EDMUND RUTAN, A.B. Yale 1906.....Mattituck, N. Y.
Economics, Sociology, Constitutional Law

LYMAN, CARROLL SANFORD, A.B. Oberlin 1907.....Hastings-on-Hudson, N. Y.
Chemistry

LYNNE, MAY, A.M. 1906, equiv. A.B. Cambridge, England, 1891.....New York City
Sociology

LYON, DARWIN OLIVER.....Mount Vernon, N. Y.
Psychology, Zoology, Physiology

MCBEE, MARY VARDRINE, A.B. Smith 1906.....Great Neck, N. Y.
History, Education

MCBRIDE, ARTHUR ANDREWS.....Austin, Minn.
B.S. Minnesota 1900, S.T.B. Andover 1907
History, Education

MCCANLISS, LEE E., A.B. Wabash 1907.....Rockville, Ind.
Jurisprudence, History

MCCLELLAND, GEORGE WILLIAM, A.B. Pennsylvania 1903.....Dobbs Ferry, N. Y.
English

MCEVERS, VIDA.....New York City
English

MCGRANN, WILLIAM HUGH, Grad. U. S. Naval Acad. 1891 ..... Memphis, Tenn.
Economics

MCKEE, ELSA DU BOIS, A.B. 1907.....New York City
Philosophy

MCKENNA, MARY ELIZABETH, A.B. Trinity (D. C.) 1907.....New York City
Mathematics

MCKENZIE, WILLIAM TULLOCK.....Morrisburg, Ont., Canada
Sociology

MCKIM, CHRISTINA L., A.B. 1901.....New York City
Social Economy, History

MCKINNEY, MARY EULA, A.B. Ohio State 1906.....Columbus, Ohio
English

MCLANE, FANNIE MOULTON, A.B. 1907.....New York City
History, Education

McLoughlin, William Gerald, A.B. St. Francis Xavier 1907..... Jersey City, N. J.
Economics, History

McMakin, Annie, A.B. Converse 1895.....Spartanburg, S. C.
English, Education

McMichael, James, A.B. Occidental 1906.....Winnebago, Ill.
Sociology, Social Economy

McMillen, Eleanor, Ph.B. Syracuse 1905.....New York City
Latin

McNeely, Elizabeth, A.M. 1905, A.B. Toronto 1896....Carleton Place, Ont., Canada
History

MacGregor, Charles Peter, A.B. McMaster 1899.....New York City
History

Mackay, Elizabeth, A.B. Washington 1902.....Pullman, Wash.
English, Sociology

Mackenzie, Alexander, A.B. 1905.....Dobbs Ferry, N. Y
Mathematics, Economics, History

Mackley, Mary Elizabeth, A.M. 1907, A.B. Ursinus 1902.....Westfield, N. J.
English

MacLachlan, Catherine Fisher, A.B. Toronto 1904, A.M. 1905..Toronto, Canada
English, Comparative Literature

MacLean, Donald Charles, A.B. C. C. N. Y. 1906.....New York City
Mathematics

Macmillan, Beulah Arnold, L.I. and B.L. Nashville 1901.....Charleston, S. C.
English, Education

MacVay, Anna Pearl, A.B. Ohio 1892 .....Athens, Ohio
Greek, Latin

Madison, Hector Tripp, A.B. Michigan 1906.....New York City
Constitutional Law, Economics, Sociology

Magarge, Samuel John, Jr.....New York City
A.B. St. Joseph's 1896, A.M. 1898, B.S. Pennsylvania 1900
Mathematics

Mailloux, Cyprien Odilon.....New York City
E.E. Brooklyn Polytechnic 1905, M.S. 1906
Mathematical Physics

Manguse, William P., A.B. Colgate 1890.....New York City
Mathematics

Manley, Annie Laurie, A.B. 1907.....New York City
Philosophy, English, French

Mann, Kristine, A.B. Smith 1895, A.M. Michigan 1901.....New York City
Philosophy

Margolis, Louis, A.B. C. C. N. Y. 1902.....New York City
Mathematics, Math. Physics

Mark, Mary Louise.....Rushville, Ohio
A.M. 1907, A.B. Ohio State 1903
Social Economy

Marshall, Thomas Franklin, A.B. Lake Forest 1894.....Lebanon, Ill.
History

Mathewson, Chester Arthur, B.S. 1905, A.M. 1906.....Cincinnati, Ohio
Physiology

Maves, Albert Edward, A.B. 1906.....New York City
Constitutional Law, International Law, Economics

May, Clarence Earl, A.B. Indiana 1904, A.M. 1905.....Bloomington, Ind.
Chemistry

Maynard, Harrison Alberto, A.B. Washburn 1904.....Muscotah, Kans.
Education

Melamed, Raphael Hai, A.B. N. Y. U. 1906 .....New York City
Philosophy

MELLECK, ANNA COLE, A.B. 1896.....New York City
Latin

MELVILLE, NORBERT J., A.B. C. C. N. Y. 1904.....Deer Park, N. Y.
Education

MENKES, JACOB BERNARD.....New York City
equiv. A.B. Gymnasium, Lemberg, Austria, 1906
Germanic, Sociology

MERLIS, ISAAC, B.S. C. C. N. Y. 1907.....New York City
Physics

MERRETT, MRS. CHRISTABEL COE, Ph.B. Wesleyan 1901.....Middlefield, Conn.
Philosophy

MESSER, WILLIAM STUART, A.B. 1905.....Jersey City, N. J.
Latin, Greek

METZGER, LOUISE GERTRUDE WAGEMANN, B.S. 1907.....Elmira, N. Y.
Germanic, English

MEYER, ARNOLD WILLIAM, A.M. 1905, A.B. Iowa Coll. 1899.....Alton, Ia.
Chemistry, Physics

MICHAEL, WINIFERD, A.B. Normal 1902.....New York City
Semitics

MILLER, ALVENIA BARNETTE, A. M. 1903.....Columbia, S. C.
English

MILLER, DONALD HERBERT TRUESDELL, A.B. 1907.....Binghamton, N. Y.
Chemistry, Physics

MILLER, ORLEY LESTER, A.B. Washburn 1906.....Minneapolis, Kans.
Sociology

MINKIN, JACOB SAMUEL, A.B. 1907.....New York City
Semitics, Sociology

MITCHELL, JAMES CLAYTON, A.B. Pennsylvania 1889.....Hoboken, N. J.
Philosophy, English

MITTAG, FRANK OTTO, Jr., B.S. Rutgers 1906.....Park Ridge, N. J.
Chemistry

MOMIKURA, SAKUSUKE.....Hiroshima Ken, Japan
Sociology

MONKS, WILLIAM DOUGLAS, Mech. E. 1907.....Mt. Vernon, N. Y.
Mechanical Engineering, Math. Physics, Mathematics

MONTGOMERY, BELL WOODS, A.M. 1907, A.B. Winthrop 1901.....Marion, S. C.
History, Sociology

MOON, EVANGELINE ADA, A.B. Normal 1906.....New York City
Geology

MOORE, JUSTIN HARTLEY, A.M. 1904, A.B. C. C. N. Y. 1903.....New York City
Indo-Iranian

MORGAN, CHARLOTTE ELIZABETH.....New York City
A.B. 1904, A.M. 1905, A.M. Radcliffe 1906
English

MORREY, WILLIAM THOMAS, A.B. Ohio State 1888, A.M. N. Y. U. 1893..New York City
Economics

MORRIS, DAVE HENNEN, A.B. Harvard 1896, LL.B. N. Y. Law 1901....New York City
History

MORRIS, FREDERICK KÜHNE, B.S. C.C.N.Y. 1904.....New York City
Geology

MORRIS, MAY JOSEPHINE, A. B. Normal 1902.....New York City
Geology

MORTIMER, ALBERT SKELLY, A.B. St. Francis Xavier 1907.....New York City
Economics

MOSHER, JOSEPH ALBERT.....Millerton, Penn.
A.M. 1907, Ph.B. Syracuse 1905, Ph.M. 1906
English, Comparative Literature

MULLEN, LORING BLANCHARD, Ph.D. Wooster 1898.....New York City
Mathematics

MUNSON, DANIEL GILBERT, A.B. Colby 1892, A.M. 1895.....New York City
English

MURAI, YUTARO, A.B. Waseda 1901.....Tokyo, Japan
Sociology, Social Economy

MURRAY, JENNIE ERSKINE, B.S. 1907.....New York City
English, History

MURRAY, WILLIAM SMITH, B.S. Syracuse 1888, M.S. 1892.....Bath, N. Y.
History, Comparative Literature

NAIL, ELIZABETH, B.L. Mary Nash (Tex.) 1897.....Fort Worth, Tex.
English

NAMMACK, ELIZABETH FRANCES, A.B. 1895, A. M. 1896.....New Rochelle, N. Y.
Latin

NASMITH, AUGUSTUS INGLESBE, A.B. Colgate 1904.....Canton, N. Y.
Chinese

NEARING, ELENA, B.S. Cornell 1896.....Middletown, N. Y.
Germanic

NEILSON, JOHN.....Larchmont, N. Y.
Astronomy

NELMS, WILLIAM STOCKTON, A.B. Southwestern 1903, A.M. 1904.....Waco, Tex.
Physics, Chemistry, Mathematics

NELSON, AUBREY PERCY, A.M. 1904, A.B. Chicago 1902..... New York City
Philosophy

NELSON, CHRISTIAN GODFRED, A.B. St. Olaf 1906.....Lanesboro, Minn
History, Semitics

NEUMANN, HENRY, A.B. C. C. N. Y. 1900, Ph.D. N. Y. U. 1906.....New York City
English, Education

NEW, FRANCIS DILLON, A. B. Seton Hall 1894, A.M. 1896.....New Brunswick, N. J.
Romance, Education

NEWMAN, JOSEPH, A.B. C. C. N. Y. 1897, M.S. N. Y. U. 1900.....New York City
Chemistry

NEWTON, MARY LESLIE, A.B. Tennessee 1898.....Ooltewah, Tenn.
Latin, Greek

NIFENECKER, EUGENE A., A.M. 1906, A.B. C. C. N. Y. 1901.....New York City
History

NISHIMOTO, ITSUZO, A.B. Waseda 1904.....Tokyo, Japan
International Law, Constitutional Law, Economics

NIXON, LILLIAN EDITH, A.B. Minnesota 1903, A.M. 1906.....Pembina, N. D.
English

NOBLE, WILLIAM CORKRAN, A.B. Syracuse 1902..... Madison, N. J.
Sociology, English

NORRIS, ETHELDREDA LORD, A.B. George Washington 1899.....Bayonne, N. J.
History

NORRIS, JOHN SEWARDS, Ph.B. Ohio State 1901, A.M. 1902 ..... New York City
Philosophy

NOYES, ANNA GAUSMANN, B.S. 1906.....New York City
Sociology

ODENCRANTZ, LOUISE CHRISTINE, A.B. 1907.....New York City
Economics, Social Economy, History

O'DONNELL, PATRICK JOSEPH.....New York City
B.D. and B.C.L. Maynooth College, Ireland, 1901
Psychology

OESTERLEIN, CHARLOTTE ROSE, A.B. 1907.....New York City
Philosophy, History

OGDEN, CHARLES JONES, A.B. 1900, LL.B. and A.M. 1903.....New York City
Greek, Latin, Indo-Iranian

OLIPHANT, JOHN, Grad. Nashotah Sem. 1902.....New York City
Philosophy, English

OPDYKE, AGNES, A.B. Radcliffe 1904.....New York City
Social Economy, Romance

ORVIS, EDNA MAY, A.B. Wellesley 1905.....Manchester, Vt.
Philosophy, Psychology

OSBORNE, JAMES INSLEY, A.B. Wabash 1906, A.M. 1907.....Crawfordsville, Ind.
English, Comparative Literature

OSHIMA, CHICASADA, A.B. Waseda 1903.....Tokyo, Japan
Economics, Sociology, International Law

PADDOCK, BERNARD HORACE, A.B. California 1904.....San Francisco, Cal.
Philosophy, Anthropology

PALMBLAD, HARRY VICTOR EMMANUEL, A.B. 1907.....New York City
English, Latin

PALMER, JOHN HENRY.....New York City
English

PANARONI, ALFRED, B.S. C. C. N. Y. 1902.....New York City
Romance, English

PATTERSON, FRANK ALLEN, A.M. 1907, A.B. Syracuse 1904....East Bloomfield, N. Y.
English, Comparative Literature

PATTERSON, FRANK MELVIN, A.B. Waynesburg 1905.....Carmichaels, Penn.
Sociology

PATTERSON, SHIRLEY GALE, A.B. Amherst 1906.....New York City
Romance

PATTON, JULIA, A.B. Oberlin 1895.....Mount Vernon, Ia.
English, Comparative Literature

PAUL, HARRY G., A.B. Michigan 1897, A.M. Chicago 1901.....Urbana, Ill.
English

PAYNE, FERNANDUS, A.B. Indiana 1905, A.M. 1906.....Fairland, Ind.
Zoology, Botany

PEARL, JOSEPH, A.B. C. C. N. Y. 1906.....New York City
Latin, Greek

PEARSON, PHILIP COOMBS, B.S. Mass. Inst. of Tech. 1902.....Newburyport, Mass.
Sociology, Philosophy

PEISER, DELWYN WALTER, A.B. 1907.....New York City
English

PERCIVAL, HAROLD SPENCER, A.M. 1906, A.B. Stanford 1903....Prince Edward Island
Philosophy

PERKINS, ELIZABETH MARY, A.B. Bryn Mawr 1900, Ph.D. 1903....Washington, D. C.
Latin

PERRIER, JOSEPH LOUIS.....New York City
A.M. 1906, equiv. A.B. Université de Montpellier 1892, A.M. St. Francis Xavier 1905
Philosophy

PERRY, EDNA MAUDE, A.B. Mt. Holyoke 1904.....Belfast, N. Y.
English, Comparative Literature

PERRY, WILLIAM FREDERICK.....Independence, Mo.
B.S. Stuartsville 1886, A.B. Missouri Valley 1892, B.D. Lebanon 1896
Sociology

PERSONS, WILLIAM FRANK.....New York City
Ph.B. Cornell 1900, LL.B. Harvard 1905
Social Economy

PETERSON, ARTHUR EVERETT, A.B. Tufts 1892, A.M. 1897.....New York City
History

PETERSON, WILLIAM HAROLD, B.S. Wesleyan 1907.....Pine Bush, N. Y.
Chemistry

PETTIT, ANNA FRANCES THOMPSON, A.B. Swarthmore 1907.....Philadelphia, Penn.
English, Comparative Literature

PETTIT, WILLIAM SMITH, A.B. Williams 1905.....Canajoharie, N. Y.
Philosophy

PHILP, MARY ISABEL, A.M. 1905, Ph.B. Syracuse 1901.....Chateaugay, N. Y.
Philosophy

PIGNOL, GERTRUDE A.M., B.S. 1904..... New York City
Germanic, French

PLASKETT, GEORGE MARSHAL.....New York City
Anthropology

POINTS, JULIET STUART, A.B. 1907.....Jersey City, N. J.
History

POMERENE, JENNIE, A.M. 1904, A.B. Vassar 1886 .....Poughkeepsie, N.Y.
French

POMEROY, ANNIE LOUISE, B.L. Mt. Holyoke 1896.....Springfield, Mass.
English

POOLE, KATHERINE ELLEN, A.B. 1903.....Faribault, Minn.
Botany

PORTER, GEORGE HENRY, Ph.B. Ohio State 1901..... New Philadelphia, Ohio
History, Constitutional Law

POWELL, HARRY WHEELER, B.S. C. C. N. Y. 1883.....New York City
Mathematics

POWELL, THOMAS REED.....Burlington, Vt.
A.B. Vermont 1900, LL.B. Harvard 1904
Constitutional Law, Political Philosophy, History

PRATT, EDWARD EWING.....Oberlin, Ohio
A.B. Oberlin 1906, A.M. Tulane 1907
Economics, Social Economy, Constitutional Law

PRATT, MARION, A.B. Cornell 1900, A.M. Syracuse 1902.....Syracuse, N. Y.
Latin

PRICE, WILLIAM RALEIGH, A.B. Cornell 1898.....New York City
Romance, Germanic

PRIDE, ORA LEE.....Cincinnati, Ohio
A.B. Antioch 1905, A.M. Cincinnati 1907, Grad. Lane Theol. Sem. 1907
Philosophy, History

PURVES, ELINOR KENNEDY, A.B. Smith 1904.....Princeton, N. J.
History

QUACKENBOS, GEORGE PAYN, A.B. 1900, A.M. 1901.....New York City
Indo-Iranian

RABINOWITZ, BENJAMIN M.....New York City
Zoology, Physiology

RABINOWITZ, ELIAS NATHAN, A.B. Haverford 1903.....Philadelphia, Penn.
Semitics, Economics

RADIN, MAX, A.B. C. C. N. Y. 1899, LL.B. N. Y. U. 1902 .....New York City
Classical Archæology

RADIN, PAUL, A.B. C. C. N. Y. 1902.....New York City
Anthropology, Psychology

RAND, ALBERT EDWARD, A.B. Amherst 1907.....Providence, R. I.
Germanic, French

RANDOLPH, JOSEPH DRANE, A.B. Kentucky 1904.....Slaughtersville, Ky.
Sociology

RASCHEN, JOHN FREDERICK LOUIS.....Easton, Penn.
A.B. German Wallace 1895, A.M. Lafayette 1906
Germanic

RAUCHER, JOACHIM BEN ZION, A.B. C. C. N. Y. 1905 .....New York City
Germanic

RAY, JACKSON HARVELLE RANDOLPH.....Madison, Miss.
A.B. Emory and Henry 1905
English

REBER, JOHN, A.M. 1905, A.B. Seton Hall 1903.....West New York, N. J.
Germanic, English

REDDING, HELEN EDMUNDS, A.B. Adelphi 1901.....New York City
History

REDMOND, DANIEL WALTER, Ph.B. Hamilton 1901.....New York City
Economics, Administrative Law

REED, ALBERT FRANKLIN, A.B. Harvard 1904, A.M. 1905.....Waltham, Mass.
Latin

REED, ALFRED ZONTZINGER, A.B. Harvard 1897, A.M. 1898.....New York City
Constitutional Law, Political Philosophy

REILEY, KATHARINE CAMPBELL, A.M. 1900, A.B. Vassar 1891.....New York City
Latin

REILLY, JOSEPH JOHN, A.B. Holy Cross 1904, A.M. 1906.....Springfield, Mass.
English

REINER, JOHN LOUIS, A.B. Pennsylvania 1906.....Little Britain, N. Y.
Jurisprudence

RIDDELL, WALTER A., A.B. Manitoba 1907.....Minto, Man., Canada
Sociology

RILEY, ISAAC WOODBRIDGE, A.B. Yale 1892, A.M. 1898, Ph.D. 1902..Montrose, Penn.
Philosophy

RISTINE, FRANK HUMPHREY.....Crawfordsville, Ind.
A.M. 1907, A.B. Wabash 1905, A.M. 1906
English, Comparative Literature

ROBERTS, CHARLES MCGIBNEY, Ph.B. Kenyon 1906.....Mt. Vernon, Ohio
International Law, Jurisprudence, Private Law

ROBERTS, FREDERICK WILLIAM.....New York City
A.M. 1897, A.B. Vermont 1896, B.D. Cambridge 1900
Physiology

ROBERTSON, MARGARET LOUISE, A.B. Toronto 1894.....Brampton, Ont., Canada
Mathematics

ROBINSON, WINIFRED JOSEPHINE.....Poughkeepsie, N. Y.
A.M. 1904, B.S. Michigan 1899
Botany, Biological Chemistry

RODMAN, HENRIETTA, B.S. 1903.....New York City
Social Economy, English

ROELKEY, DAVID ERNEST, A.B. St. John's 1905..... Frederick, Md.
Bacteriology, Biol. Chemistry

ROESSLER, ERWIN WILLIAM EUGENE, A.B. Chicago 1900.....New York City
Germanic

ROGOFF, HARRY, B.S. C. C. N. Y. 1906.....New York City
Comparative Literature, Philosophy

ROSENBAUM, EDWIN JOSEPH, A.B. 1907.....Portsmouth, Va.
Constitutional Law, International Law, Political Philosophy

ROSENBLATT, BERNARD ABRAHAM, A.B. 1907.....New York City
Sociology

ROSENBLATT, FRANK FERDINAND, A.B. 1907.....New York City
Economics, Sociology, Philosophy

ROSENBLATT, MAX.....New York City
A.M. 1906, equiv. A.B. Bauer Gymnasium, Vienna, 1898
Germanic

ROSENTHAL, DANIEL CREHANGE, A.B. Syracuse 1906, A.M. Yale 1907..Syracuse, N. Y.
Romance, English

ROSINGER, SAMUEL.....New York City
Semitics

ROUNDS, WALTER SLEEPER, A.B. Hiram 1900.....New York City
Sociology, Economics

RUBENOVITZ, HERMAN HARRY, A.B. C. C. N. Y. 1905.....New York City
Semitics, Philosophy, Sociology

RUSHMORE, ELSIE MITCHELL, A.B. Vassar 1906..... New York City
History, Sociology

RUUTZ-REES, CAROLINE, L.L.A. St. Andrews, Scotland 1904..... Greenwich, Conn.
Romance

RYAN, WILL CARSON, A.B. Harvard 1907..... New York City
Germanic, Comparative Literature

SACHSSE, MRS. DOROTHEA KOTZSCHMAR, B.L. Smith 1899.....New York City
Germanic, English

SACKETT, NATHAN, Ph.B. Brown 1906.....Providence, R. I.
Mathematics, Math. Physics, Philosophy

ST. GEORGE, HILDA CAROLINE, A.B. Wellesley 1906.....New York City
English, Comparative Literature

SAIT, EDWARD MCCHESNEY, A.B. Toronto 1902, A.M 1903....Oakville, Ont., Canada
Constitutional Law, International Law, History

SAMUELS, ABRAHAM BERTRAM, A.B. 1907.....New York City
English

SARGENT, ARTHUR HAYES, A.B. Vermont 1904.....Corinth, Vt.
Philosophy

SATO, WALTER.....Tokyo, Japan
Economics, International Law

SAUNDERS, CATHARINE, A.B. Elmira 1891.....Belfast, N. Y.
Latin

SAXE, BERNHARD DAVID, A.M. 1903, B.S. C. C. N. Y. 1899.....New York City
Philosophy

SAXTON, MARGARET DUNLAP.....Edgewater, N. J.
A.M. 1906, Ph.B. Dickinson 1900, A.M. 1902
Germanic, English

SAYER, LYDIA ELLISON, A.B. Vassar 1907.....Warwick, N. Y.
Social Economy, Sociology

SCHELLITZER, MAX, A.B. C. C. N. Y. 1904.....New York City
English

SCHERMERHORN, JOHN EGMONT, A.B. 1907.....New York City
English, Comparative Literature

SCHLAUCH, WILLIAM STORB, B.S. Pennsylvania 1906.....New York City
Mathematics

SCHNEEBERG, DAVID, B.S. Pennsylvania 1907.....New York City
Economics, Sociology, Philanthropy

SCHOTTLAND, JOSEPH, A.M. 1907, A.B. C. C. N. Y. 1904 .....New York City
Philosophy, Psychology

SCHREIBER, WILLIAM, A.B. 1907.....New York City
English, Comparative Literature

SCHULTZ, GUSTAV FREDERICK, B.S. C. C. N. Y. 1907.....New York City
English

SCHUYLER, ELMER, B.S. Lafayette 1897, M.S. 1900.....New York City
Mathematics

SCHWABE, IDA, B.S. 1905.....New York City
Germanic

SCHWARTZ, LOUIS LEON, LL.B. Minnesota 1907.....Minneapolis, Minn.
International Law, Political Philosophy, English

SCHWARZ, HERBERT FERLANDO.....New York City
A.M. 1907, A.B. Harvard 1904, A.M. 1905
English, Comparative Literature

SCHWARZ, OSIAS, equiv. A.B. Bucharest 1897.....Bucharest, Rumania
Psychology, Philosophy, Education

SCHWERIN, MRS. NETTIE PICKARD, B.S. 1904.....New York City
Philosophy
SEARS, JOSEPH DAVIS.....Bloomfield, N. J.
Social Economy, Jurisprudence
SEATON, CLARE MARIA, B.S. 1906.....Richfield, Springs, N. Y.
Social Economy, English
SECOR, MABEL ROBERTS, A.B. Michigan 1906.....Arlington, N. J.
English
SELIG, SAMSON, A.B. 1906.....Atlanta, Ga.
Constitutional Law, International Law, History
SENIZA, FRANCES CATHERINE, B.S. 1903.....Hoboken, N. J.
Physics
SERINGHAUS, ELSE HELEN, A.B. Normal 1904.....New York City
Botany
SHAPIRO, LOUIS MOSES, B.S. C.C. N. Y. 1905.....New York City
Administrative Law
SHAVER, ELMER CLIFTON, Grad. Princeton Theol. Sem. 1898.....New York City
Social Economy
SHELDON, ADDISON ERWIN, A.B. Nebraska 1902, A.M. 1904.....Lincoln, Neb.
Sociology, Economics, Anthropology
SHELDON, (MRS.) MARGARET THOMPSON.....Lincoln, Neb.
B.S. Doane 1886, A.M. Nebraska 1897
English
SHENTON, HERBERT N., Ph.B. Dickinson 1906.....Madison, N. J.
Sociology, Social Economy
SHERRER, FRANK LESTER, A.B. Lafayette 1907.....East Orange, N. J.
Constitutional Law, Jurisprudence
SHIARTAG, BERNARD LLOYD, A.B. C. C. N. Y. 1904.....New York City
Constitutional Law, Administrative Law, Economics
SILBERBERG, BERENICE, B.S. Purdue 1905, M.S. 1907.....New York City
Botany
SIMMONDS, LIONEL JULIUS, A.B. C. C. N. Y. 1903.....New York City
Psychology
SIMMS, FLORENCE, Ph.B. DePauw 1895.....Mattoon, Ill.
Sociology, Economics
SIMPSON, ELY, A.B. C. C. N. Y. 1906.....New York City
Constitutional Law
SITTERLY, ERWIN FRANKLIN.....Madison, N. J.
A.B. Southwest Kansas 1904, B.D. Drew 1907
English
SLATER, FLORENCE WELLS, B.S. Cornell 1900.....Winston-Salem, N. C.
Zoology
SMALL, JOHN E. GRATTEN, Grad. Princeton Theol. Sem. 1907.....New York City
Psychology, Education
SMITH, FLORENCE MARY, A.B. Illinois 1899, A.M. 1906.....Gillman, Ill.
English, Education
SMITH, FRANKLIN HAUS.....New York City
A.B. Texas 1900, A.M. 1901 and Harvard 1904
Mathematics
SMITH, GILBERT HARMER, A.B. Trinity (N. C.) 1904.....Newton, N. C.
Sociology
SMITH, JAMES HARDIN, B.S. Hiwassee 1900, B.D. Cumberland 1906....Concord, Tenn.
Sociology
SMITH, LOUISE, A.B. Smith 1897.....New York City
Latin, Greek
SMITH, ROY LESLIE, A.B. Fort Worth 1903.....New York City
Greek, Semitics

SMITH, WILLIAM MACKEY, Ph.B. Lafayette 1903 ..... Easton, Penn.
Mathematics, Astronomy

SNOW, CHARLES WILBERT, A.B. Bowdoin 1907 ..... Spruce Head, Maine
English

SOLOMON, MICHAEL, A.B. 1907 ..... New York City
Latin, Greek, Education

SPAULDING, LEILA CLEMENT, A.M. 1901, A.B. Vassar 1899 ..... New York City
Classical Archæology, Greek

SPEAR, JOSEPH DAVID, equiv. A.B. Seminar Cassel, Germany 1900 ..... New York City
Philosophy, Psychology, Comparative Literature

SPITZ, EDWARD FREDERICK, A.B. 1906, A.M. 1907 ..... New York City
Sociology, Constitutional Law

SPOONER, GEORGINA BRACKENBRIDGE, A.B. Vassar 1907 ..... Orange, N. J.
Zoology, Physiology.

SPRINGER, ADA, B.S. 1906, A.M. 1907 ..... East Las Vegas, N. M.
Zoology

SQUIRE, WILLIAM LORD, A.B. Yale 1906 ..... Meriden, Conn.
English

STABER, HILDA, A.B. 1905 ..... New York City
English, Comparative Literature, Philosophy

STAIR, BIRD WILLIAMS, B.S. Purdue 1899, M.S. 1901 ..... Buck Creek, Ind.
English

STAUFFER, VERNON, A.B. Hiram 1901 ..... Angola, Ind.
English, Sociology

STEARNS, ANNA PRENTISS, A.B. Vassar 1904 ..... Bangor, Me.
English

STEARNS, STELLA BURGER, A.B. Minnesota 1892, A.M. Chicago 1906 ..... Duluth, Minn.
English

STEINMAN, DAVID BERNARD, B.S. C. C. N. Y. 1906 ..... New York City
Physics, Mathematics

STEITZ, AUGUST, A.B. N. Y. U. 1905, A.M. Yale 1906 ..... New York City
Germanic

STEVENSON, RESTON, A.B. North Carolina 1902, A.M. 1903 ..... Wilmington, N. C.
Chemistry

STEWART, WOOD ROBERT, A.B. Rollins 1902, B.D. Cambridge 1905 ..... New York City
Sociology, History

STREETER, STELLA GEORGIANA, A.M. 1904, B.L. Smith 1898 ..... Cummington, Mass.
Zoology

STREUBEL, ERNEST JOHN, A.B. Bklyn Polytechnic 1905, A.M. 1906 ..... New York City
Germanic

SUZUKI, YOSHIMITSU, A.B. Williams 1907 ..... Omi, Japan
Philosophy, Sociology, Social Economy

TAKASUGI, YOSHIHIRO, A.B. DePauw 1906 ..... Hirosaki, Japan
International Law, Political Philosophy, Economics

TAMRAZ, EISHOO, equiv. A.B. Urmiah 1902 ..... Urmiah, Persia
Turkish

TANZER, HELEN H., A.B. 1903 ..... New York City
Latin, Greek

TATE, WILLIS ALEXANDER DELANEY, A.B. Howard 1907 ..... Jackson, Miss.
Philosophy

TAYLOR, CHARLES EDWARD, A.M. 1907, B.S. Case 1906 ..... Penn Yan, N. Y.
Chemistry

TAYLOR, HELEN GREY, A.B. Vassar 1907 ..... Hawthorne, N. Y.
Zoology, Physiology, Education

TAYLOR, JEANETTE STUART, A.B. Vassar 1904 ..... New York City
English

TAYLOR, M. O. (MRS. H. C.).....New York City
Comparative Literature

TAYLOR, RUPERT, A.B. Arkansas 1903, A.M. 1906.....Jonesboro, Ark.
English, Comparative Literature

THOMAS, ARTHUR GEORGE, A.B. Chicago 1903.....Sioux City, Ia.
International Law, Constitutional Law, History

THOMAS, DAVID, A.B. Ripon 1906.....Wales, Wis.
Sociology, Social Economy

THOMAS, DAVID, A.B. Dartmouth 1907.....Neath, Penn.
Sociology

THOMPSON, CLARA MILDRED, A.M. 1907, A.B. Vassar 1903.....Atlanta, Ga.
History, Sociology

THOMPSON, MARTHA, A.B. 1905.....Ridgefield, N. J.
Zoology

THOMPSON, NEWTON.....Yonkers, N. Y.
Sociology, Economics

THOMSSEN, EDGAR GEORGE, B.S. 1907.....Rochester, N. Y.
Chemistry

TILNEY, FREDERICK, A.B. Yale 1897, M.D. L. I. Coll. Hosp. 1903.....New York City
Histology, Embryology, Anatomy

TITSWORTH, SUSAN SAYER, A.M. 1903, A.B. Smith 1897.....Milwaukee, Wis.
History

TODD, JOSEPH CLINTON, A.B. Missouri Valley 1901.....Brentwood, N. Y.
Sociology, Economics, History

TOMPKINS, NANNA MAY, A.M. 1907, A.B. Vassar 1894.....Poughkeepsie, N. Y.
History, Sociology

TRIPP, MYRON OWEN, A.B. Indiana 1901.....Yonkers, N. Y.
Mathematics, Math. Physics

TROSK, CHARLES, B.S. C. C. N. Y. 1906.....New York City
English

TROWBRIDGE, CORNELIA ROGERS, A.B. Smith, 1891.....New York City
Greek

TRUESDELL, WALDO BROMLEY, A.B. Harvard 1897.....New York City
Physics, Mathematics

TURNER, JOHN PICKETT, A.B. Vanderbilt 1900, A.M. 1901.....Nashville, Tenn.
Philosophy, Psychology

TURNER, JULIA EMERY, A.B. Vassar 1895.....Quincy, Ill.
English

TYLER, SARAH EMILY, A.B. Vassar 1906.....New York City
Latin, Greek

TYNAN, JOSEPH LAWRENCE, A.M. 1907, A.B. C. C. N. Y. 1901.....New York City
English

ULRICH, CHARLOTTE ARLINGTON, A.B. Adelphi 1907.....New York City
Germanic

UNDERWOOD, ELIZABETH SCOFIELD, A.B. Smith 1892.....New York City
Social Economy

VON UNWERTH, FRIDA, Ph.B. Chicago 1903.....New York City
Germanic

UYEMATSU, YUICHIRO, equiv. A.B. Waseda 1904.....Tokyo, Japan
International Law, Economics

VANDERBURGH, FREDERICK AUGUSTUS, A.B. Rochester 1876.....New York City
Semitics

VAN NUYS, CLAUDE CORNELIUS.....Flandreau, S. D.
B.S. Yankton 1901 and S. D. School of Mines 1907
Mathematics, Physics, Philosophy

VAM ZANDT, PHILIP GEORGE, A.B. Chicago 1907.....Chicago, Ill.
Philosophy

VARNER, CALLA EDINGTON, A.B. Missouri 1904.....Union Star, Mo.
History, Economics

VAUGHN, HARVEY PENN, A.B. Southern 1904.....Pratt City, Ala.
Sociology

VAZAKAS, ALEXANDER ARISTIDIS, A.B. N. Y. U. 1904.....New York City
Philosophy

VENTRES, ADELAIDE BRAINERD, A.B. Smith 1888.....Bloomfield, N. J.
Latin, Greek

VEXLER, FELICIN, equiv. A.B. Lyceum, Bucharest, 1907.....New York City
Philosophy, Psychology

VINEBERG, SOLOMON, A.B. McGill 1906.....Montreal, Canada
Economics, Sociology, History

WALLIN, AXEL REYNOLD, A.B. Augustana 1902, A.M. 1907..... Kenilworth, N. J.
Latin, Greek

WALTON, JOSEPH BARNARD, A.B. Pennsylvania 1905.....George School, Pa.
Social Economy, Economics

WARE, EDITH ELLEN, A.B. Woman's College Baltimore 1905.....Baltimore, Md.
History, Education

WASSAM, CLARENCE WYCLIFFE, Ph.B. Iowa 1903, A.M. 1904.....Iowa City, Ia.
Social Economy, Economics

WEAKS, MABEL CLARE, A.B. Kentucky 1907.....Paducah, Ky.
History, Sociology

WEBB, HAROLD WORTHINGTON, A.B. 1905.....Glen Ridge, N. J.
Physics, Math. Physics

WEISMAN, CHARLES, B. S. C. C. N. Y. 1900, M.S. N. Y. U. 1902.....New York City
Chemistry

WELD, LOUIS DWIGHT HARVELL, A.B. Bowdoin 1905, A.M. Ills. 1907..Hyde Park, Mass.
Economics, Sociology, Political Philosophy

WELLES, FRANK CORDAY, A.B. 1907.....New York City
International Law, Constitutional Law, Economics

WENDEL, CARRIE ELIZABETH, A.B. Adelphi 1907.....New York City
Latin

WHITE, FREDERICK CARLETON, A.B. Alfred 1895, A.M. 1902.....New York City
History

WHITE, WINTON JOHN, A.B. Pennsylvania 1904, A.M. 1905.....Englewood, N. J.
Latin

WHITESIDE, DONALD GRANT, B.S. C. C. N. Y. 1897, A.M. N. Y. U. 1901.New York City
Germanic

WHITFORD, EDWARD EVERETT, A.B. Colgate 1886, A.M. 1890.....Brookfield, N. Y.
Mathematics

WHITMORE, CLARENCE WILLARD, A.B. George Washington 1906..Washington, D. C.
Sociology, Social Economy

WICKHAM, JOSEPH FRANCIS, A.B. Holy Cross 1904.....South Lee, Mass.
English, Comparative Literature

WICKHAM, RAY EMERY, E.M. North Dakota 1907.....Glen Ullin, N. D.
Metallurgy, Mining, Geology

WILCOX, ETHEL DODGE, A.B. 1903, A.M. 1905.....Pelham Manor, N. Y.
Sociology

WILCOX, WILLIS HAMEL, Ph.B. Michigan 1896, Ph.M. 1898.....East Stroudsburg, Pa.
English

WILDER, GEORGE FAY, A.B. St. Lawrence 1907.....New York City
Mathematics

WILLARD, GLADYS, A.B. Cornell 1898.....New York City
Latin

WILLIAMS, ANNA WESSELS, M.D. Woman's Medical 1891.....New York City
Zoölogy

WILLIAMS, BLANCHE COLTON.....Shrock, Miss.
A.B. Woman's State College (Miss.) 1898
English, Education

WILLIAMS, CHARLES LAIDLAW, A.B. 1906.....East Orange, N. J.
Constitutional Law, Administrative Law, Economics

WILLIAMS, ERIC JOHANN, A.B. Harvard 1906.....Lockport, N. Y.
Constitutional Law

WILLIAMS, M. EMMA, Ph.B. Wesleyan 1899.....New York City
English, Latin

WILSON, WARREN H., A.B. Oberlin 1890, A.M. 1894.....New York City
Economics

WING, DAVID LAFOREST, B.S. Mass. Inst. Tech. 1898.....Bangor, Me.
Sociology

WISE, BYRD DOUGLAS, A.B. 1907.....New York City
Constitutional Law, International Law, History

WOOD, ELVIRA.....Waltham, Mass.
Geology, Zoology

WOODMAN, LEON ELMER, A.B. Dartmouth 1899, A.M. 1902.....Claremont, N. H.
Physics

WOODROOFE, ROBERT WILLIAM, A.B. Toronto 1902, A.M. King's 1904.New York City
History

WORMSER, I. MAURICE, A.B. 1906.....New York City
History

WRIGHT, ERNEST HUNTER, A.B. 1905, A.M. 1907.....New York City
English, Comparative Literature

WYE, THEODORA ETHEL, B.S. 1907.....New York City
Latin

YOKOTA, SEIMATSU, equiv. A.B. Waseda 1903.....Tokyo, Japan
Economics, Sociology, Political Philosophy

ZANDSTRA, SIDNEY, A.B. Hope 1903, B.D. Princeton Theol. 1907.....Chicago, Ill.
Semitics

ZEITLIN, JACOB, A.B. 1904, A.M. 1905.....Urbana, Ill.
English

ZIRULICK, HYMAN, B.S. Missouri School of Mines 1907.....Minsk, Russia
Civil Engineering, Math. Physics

In addition to the above 715 candidates for the degree of master of arts or doctor of philosophy, 182 are registered under the faculty of philosophy with education as their major subject. The names of these candidates appear in the list of graduate students under Teachers College. (See page 332.)

SUMMARY

STUDENTS PRIMARILY REGISTERED UNDER THESE FACULTIES	897
STUDENTS FROM OTHER FACULTIES OF THE UNIVERSITY, CANDIDATES FOR THE DEGREE OF A.M., LL.M., OR PH.D.:	
From the School of Law	31
From the Schools of Mines, Engineering, and Chemistry	4
Grand Total	932

One hundred and seventy-one students matriculated under the faculties of Political Science, Philosophy, or Pure Science attended the summer session of 1907, but did not register for the first term of the academic year 1907–08.

FACULTY OF FINE ARTS

SCHOOLS OF ARCHITECTURE, MUSIC, AND DESIGN

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.)
President of the University

ALFRED D. F. HAMLIN, A.M. . . *Professor of the History of Architecture*

FRANK DEMPSTER SHERMAN, Ph.B. . . . . *Professor of Graphics*

JAMES RIGNALL WHEELER, Ph.D. . . . . *Professor of Greek Archæology and Art, and Acting Dean*

CLARENCE H. YOUNG, Ph.D. . . . . *Professor of Greek*

CHARLES HUBERT FARNSWORTH *Adjunct Professor of Music in Teachers College*

FRIEDRICH HIRTH, Ph.D. . . . . *Dean Lung Professor of Chinese*

LEONARD BEECHER MCWHOOD, A.B. . . . . *Adjunct Professor of Music*

JOEL ELIAS SPINGARN, Ph.D. . . . . *Adjunct Professor of Comparative Literature*

MAXIMILIAN K. KRESS, A.M. . . . . *Adjunct Professor of Architecture, and Secretary*

GEORGE N. OLCOTT, Ph.D. . . . . *Adjunct Professor of Latin*

JEFFERSON B. FLETCHER, A.M. . . . . *Professor of Comparative Literature*

CORNELIUS RÜBNER. . . . . *Professor of Music*

ARTHUR WESLEY DOW. . . . *Professor of Fine Arts in Teachers College*

JAMES T. SHOTWELL, Ph.D. . . . . *Adjunct Professor of History*

CHARLES F. MCKIM, Litt.D. . . . . *Director of Atelier*

THOMAS HASTINGS, Diplomé E.D.B.-A. . . . . *Director of Atelier*

FREDERICK DIELMAN. . . . *President of the National Academy of Design*

SIR CASPAR PURDON CLARKE. *Director of the Metropolitan Museum of Art*

EDWARD ROBINSON, A.B., LL.D. . . . . *Assistant Director of the Metropolitan Museum of Art*

EDWARD R. SMITH, A.B. . . . . *Reference Librarian, Avery Architectural Library*

CHARLES A. HARRIMAN. . . . . *Instructor in Architecture*

CHARLES P. WARREN, A.M. . . . . *Instructor in Architecture*

WILLIAM ADAMS DELANO, A.B. . . . . *Associate Director of Atelier*

JOHN V. VAN PELT, Diplomé E.D.B.-A. . . *Associate Director of Atelier*

HARVEY W. CORBETT, B.S. . . . . *Associate Director of Atelier*

FRANCIS A. NELSON, B.S. . . . . *Lecturer in Architecture*

Standing Committees

On the Program of Studies: The Acting Dean (Chairman); Professors Hamlin, McWhood, Dow, and Dielman.

On Admissions: Professors Hamlin (Chairman); McWhood and Dielman.

On Scholarships: The Acting Dean (Chairman); Professors Sherman and Rübner.

General Statement

The Faculty of Fine Arts, established March 5, 1906, comprises three separately organized schools, of Architecture, of Music, and of Design. Work in Architecture and in Music is no new thing at the University, since a department in the former subject has existed for about twenty-six years and in the latter about eleven years. On the other hand, until 1906, there has been no attempt to make any systematic provision for the needs of university students who seek opportunities in the study of painting, sculpture, and decoration, and it is by the creation of a School of Design in co-operation with the National Academy of Design that the University hopes in time to afford such opportunities. The establishment of this new school, as yet only tentative in its organization, has been made possible by an agreement between the Academy and the University on January 12, 1906. By such agreement the Art Schools of the Academy became closely associated with the University. They remain, however, entirely under the direction of the Academy, which preserves the independence secured to it by its own separate corporate existence.

It is not the purpose of the University to develop courses in the School of Design in the direction of technique and practice; this side of the student's training must remain mainly in the hands of those who conduct the work of the Academy of Design; but it does hope, by the gradual establishment of instruction and study in the history of art and in æsthetic theory, to offer adequate training for the investigation of the problems which the artistic development of mankind suggests, to help the professional artist to a fuller realization of the human ideals which should form the background of his endeavor, and finally to lead its students in other departments to perceive the importance of the fine arts in any scheme of liberal culture.

Neither the University nor the Academy has at present at its disposal adequate resources to develop a complete system of instruction in the School of Design. A beginning, however, as set forth below (p. 297), has been made, and the University looks forward to the possibility at no remote time of an adequate equipment for the new School.

A statement of the work offered by the Academy of Design will be found on page 297.

For details as to the advantages which the City of New York offers outside of the University and the Academy for the study of the fine arts, and as to the public lectures, exhibitions, and recitals maintained by the University in addition to the regular academic program, the separately printed *Announcement of the Faculty of Fine Arts* should be consulted. Those interested should also consult the *Announcement of the Summer Session and Extension Teaching*.

Admission

Except by special action of the Committee on Admissions, students under eighteeen are not admitted. For the general admission regulations see page 154, and for the special regulations for the course for the bachelor's degree in Architecture and for the Certificate in Architecture, see page 290; for that in Bachelor in Music and for the Certificate in Music see page 295; and for the Certificate of Proficiency in Design see page 297.

To Advanced Standing

Students desiring credit for courses pursued elsewhere must file a written application with the chairman of the Committee on Admissions on or before September 8, 1908, to reach him at least sixteen days before the University opens. The general regulations as to documents to be submitted and as to the acceptance of certificates are the same as for the Schools of Mines, Engineering, and Chemistry (see page 225).

Non-matriculated Students

The Committee on Admissions may admit students of mature age who are not candidates for a degree or certificate to such courses as they may be qualified to pursue. The special qualifications deemed necessary in each school for admission as a non-matriculated student are:

In Architecture, a practical knowledge of architectural drawing of the five orders, and of shades and shadows, is required for the course in Architectural Design, and mathematics through plane trigonometry for the Mathematical and Architectural Engineering branches.

In Music, proficiency is determined by personal conference with some officer of the School.

In Design, students in the National Academy of Design and such other persons as have had adequate training and experience either in the history and theory or in the practice of the fine arts are admitted under this provision.

Non-matriculated students will be permitted to matriculate at any time upon fulfilling the stated entrance requirements, or they may be

excused from these requirements upon the basis of specially distinguished excellence in their work as certified by vote of the Faculty.

Fees

(See page 27)

Fellowships and Scholarships

(See pages 391 and 409)

Examinations

Regular examinations in each course are held at the end of each half-year. All other examinations, except examinations for admission to advanced standing, are special examinations, for which the statutory fee of $5 is charged (see page 28). The dates of such examinations for students debarred or deficient at the regular examinations will be found in the academic calendar. Absence from any regular or delinquent examination for which a student is registered is regarded as a failure.

SCHOOL OF ARCHITECTURE

General Statement

The School of Architecture of Columbia University is a professional school for men, designed to train its graduates for the active practice of architecture. Founded in 1881, under the direction of Professor William R. Ware, as a department of the School of Mines (now the Faculty of Applied Science), it was in 1902 made an independent School. There are two regular courses in Architecture, one leading to the degree of Bachelor of Architecture, and the other leading to a Professional Certificate in Architecture.

The equipment of the school consists of about 18,000 photographs and 800 books, chiefly the gift of Mr. F. A. Schermerhorn; a classified library of many thousands of prints and plates; a collection of manuscript drawings from the École des Beaux-Arts and other sources; about 9000 lantern-slides of architectural subjects; a collection of casts of architectural details, including a large number from ancient and modern Roman buildings, the gift of Mr. Charles F. McKim; and an architectural museum containing a collection of models, building stones, tools, and materials. The Avery Architectural Library of 18,000 volumes is the richest collection of works on architecture and allied arts in the country.

Lectures to students of architecture on scientific subjects allied to architecture are given in the Department of Physics, and the labora-

tories of the Schools of Engineering offer unexcelled opportunities to advanced students in architectural engineering.

The Willard collection of architectural casts and models in the Metropolitan Museum of Art is open to students every day and two evenings in the week. Buildings and building operations of great value and interest are always within reach, and visits and excursions during the second half of each year furnish specific opportunities for profiting by them.

Admission

(For general regulations see page 154.)

To Candidacy for the Degree of Bachelor of Architecture

Candidates must have completed the equivalent of two years of study in some recognized college or scientific school. This preliminary training must include elementary French and some time may be saved by the anticipation of courses in mathematics; professional courses in architecture, however, may not be counted a part of such study, the purpose of which is to supplement, not to anticipate, the professional course offered by this School.

Candidates must also show a practical knowledge of the orders of architecture, of elementary projections and shades and shadows, of the elements of architectural rendering, and of freehand drawing.

To the Course for the Certificate

Candidates for the Certificate must offer at the entrance examinations (see page 154) subjects amounting to ten points, as indicated below:

	POINTS.
Drawing	1
Elementary Mathematics	3

and six points from the following subjects:

	POINTS.
Chemistry [1]	1
Elementary Physics [1]	1
Elementary History	2
English	3
Advanced Mathematics [1]	1
Elementary French [1]	2
Elementary German [1]	2
Elementary Latin	2
Spanish	2

[1] Students deficient in these subjects are advised to consult the announcement of the Summer Session of Columbia University, which will be sent upon application to the Secretary of the University.

Beginning with the year 1908–09 not more than four points may be offered in foreign languages, one of which must be French. In addition, candidates for admission to the course for the Certificate must give evidence of the same practical knowledge as is required of candidates for the Degree.

Students from Other Institutions

Male students of any incorporated school of art in New York City and duly accredited students from the *ateliers* of the Society of Beaux-Arts Architects of this city may be admitted, upon payment of the prescribed fees, to the courses in the Elements of Architecture, Projections and Shades and Shadows, Perspective, Descriptive Geometry, Theory, the History of Architecture, and the History of Ornament (Courses 1, 5, 6, 7–8, 21–22, 23–24, 25–26, 31–32, 33–34, 35–36, 51–52, 53, 54, and 55; see list upon page 46).

Program of Studies

For the Degree of Bachelor of Science in Architecture

The course outlined below is of indeterminate duration. Students of fair ability and thorough preparation should be able to complete it in four years. Entering students should confer with the Executive Head of the School, who will assist them in planning a definite schedule suited to their qualifications and needs. The degree may be awarded at the beginning of either half-year or at Commencement.

For a short statement of the scope of the following courses see pages 41–153. A much fuller statement is contained in the *Announcement of the Faculty of Fine Arts*, to be had upon application to the Secretary of the University.

		POINTS
1	History of Architecture (A. 21–22, 23–24, 25–26)	14
	History of Ornament (A. 31–32, 33–34, 35–36)	6
	French and German Reading (A. 41–42, 43–44)	8
	Research	2
2	Mathematics (Math. 1, 2, 3–4, 5–6)	16
	Mechanics (Mech. 21)	4
	Architectural Engineering (A. 17–18)	10
3	Specifications (A. 11–12)	4
	Building Materials (A. 13–14)	4
	Office Drawings	2
4	Graphics (A. 5)	3
	Perspective (A. 6)	3
	Descriptive Geometry (A. 7)	3
	Stereotomy (A. 8)	3

		POINTS
5	Architectural Drawing (A. 3)	4
	Elementary Drawing (A. 71–72)	2
	Modelling, Water-colors (A. 73–74)	2
	Advanced Drawing (A. 75–76, 177–178)	7
6	Theory of Design (A. 51–52, 53, 54, 55)	5
	Elements of Architecture (A. 1)	2
	Applied Elements (A. 2)	4
	Elementary and Intermediate Design (A. 61–62, 63–64)	15
	Advanced Design (A. 161–162)	15
	Thesis (A. 164)	3
	Written Work (A. 24*a*, 26*a*, 128*a*)	3
	Summer Work (A. 72*a*, 74*a*, 76*a*)	6
	Total required for graduation	150

The studies leading to these points may be pursued in any order and combination desired, except that the mathematical subjects and the three grades of Design must be taken in the prescribed sequence, and that advanced drawing presupposes the more elementary branches. No student may take advanced design until he has completed 58 specified points (for details see the Announcement).

For the Certificate in Architecture

This course is intended to qualify the holder for general practice, and for registry under the Architects' License Laws of Illinois, New Jersey, and California. It omits the greater part of the mathematical studies and applied mechanics required of candidates for the degree, but includes simplified courses in Graphical Statics and Elementary Engineering in their stead, and optional courses in Analytical Geometry and the Calculus, with special reference to graphical methods and their usefulness in mechanics and engineering.

		POINTS
1	History of Mediæval and Modern Architecture (A. 23–24, 25–26)	8
	History of Ornament (A. 31–32, 33–34, 35–36)	6
	Research	2
2	Elementary Structural Design (A. 15–16)	6
3	Specifications (A. 11–12)	4
	Building Materials (A. 13–14)	4
	Office Drawings	1
4	Graphics (A. 5)	3
	Perspective (A. 6)	3
	Descriptive Geometry (A. 7)	3
	Stereotomy (A. 8)	3

		POINTS
5	Architectural Drawing (A. 3)	4
	Elementary Drawing (A. 71–72)	2
	Water-colors (A. 73)	1
	Modelling (A. 74)	1
	Pen Drawing and Drawing from Cast (A. 75–76)	3
	Advanced Drawing (antique and from life) (A. 177–178)	4
6	Theory of Design (A. 51–52, 53, 54, 55)	5
	Elements of Architecture (A. 1)	2
	Applied Elements (A. 2)	4
	Elementary and Intermediate Design (A. 61–62, 63–64)	15
	Advanced Design (A. 161–162)	18
	Thesis (A. 164)	3
	Written Work (A. 24*a*, 26*a*, 128*a*)	3
	Summer Work (A. 72*a*)	4
	And in addition, to be selected from the following:	
	Ancient Architectural History (A. 21–22)	
	French and German Reading (A. 41–42, 43–44)	
	Graphical Analysis (A. 9–10)	6
	Design (additional)	
	Drawing (additional)	
		114

The regulations as to the order and combination are the same as for the candidates for the degree, except that only 32 points are required as prerequisite to Advanced Design.

Architectural Engineering

In view of the increasing importance of engineering training in certain classes of architectural work, adequate courses of instruction are provided for those who desire to specialize in this direction. Such students substitute for the Advanced Drawing and Advanced Design an equivalent in engineering design, construction, and specifications, by means of special problems and attendance upon certain courses in the Department of Civil Engineering.

This course is open only to students who have completed the architectural engineering of Course 17-18. A thesis is required as the course in Design, consisting of a large problem of architectural engineering worked out in full, with accompanying dissertation.

Graduate Courses

Candidates for the degrees of Master of Arts and Doctor of Philosophy may pursue in the School of Architecture the more advanced studies of the course, which are accepted as major and minor subjects under the regulations prescribed by the University Council for these degrees. See page 164. The courses in Advanced Design, Engineering

and Practice (Architecture 113-114, 117-118, and 161-162) as well as the graduate courses (213-214, 217-218, 227-228, and 261-262) are accepted as major and minor subjects for these degrees.

Holders of the Certificate in Architecture are admitted to the graduate course in Design with accompanying Research (A. 281-282, 227-228), but not to the graduate course in Construction (217-218) except upon passing examinations upon all the prerequisite mathematics and mechanics. They may not be candidates for the higher degrees.

Graduates of this School, and of other schools of architecture of like standing, who have had not less than one year of resident study in Columbia University, may pursue their studies in Advanced Design and Research in foreign schools of architecture, as candidates for the higher degrees in Columbia University, upon programs issued by this School.

SCHOOL OF MUSIC

General Statement

The Department of Music was established May 4, 1896, by means of the Robert Center Fund for Instruction in Music, an endowment presented to the University by the mother of the late Robert Center.

In 1906 a School of Music was established including both the department above mentioned and the department which had been developed independently in Teachers College.

The aim of the instruction is to treat music historically and æsthetically, as an element of liberal culture; to teach it scientifically and technically, with a view to training musicians who shall be competent to teach and to compose; to afford practical training of the ear by means of rhythmic, melodic, and harmonic dictation; and to provide practical training in choral and orchestral music. The several courses have reference to the needs of the undergraduate, to those of the university student wishing to specialize in music, and to those of non-matriculated students of music—that is, students who are candidates neither for a degree nor for a Certificate of Proficiency. Performances of orchestral and choral music by the various organizations under the direction of the School of Music are provided, from time to time, for the members and friends of the University. There is, also, an annual concert of original compositions by students in the school. In addition, many public lectures, recitals, and concerts of various kinds are held.

Equipment

A collection of music and of text-books is placed at the disposal of students in the School. It includes the complete works of Palestrina, Handel, Bach, Mozart, Beethoven, Schubert, Berlioz, Mendelssohn,

Schumann, and Wagner, many orchestral and opera scores, the pianoforte classics, chamber music, and vocal music, besides theoretical works. The private library of the late Anton Seidl, recently presented to the University, has been placed in the rooms of the School of Music.

The School has a collection of orchestral instruments, for the use of students taking part in the University orchestra. An Aeolian Orchestrelle is employed for purposes of study and illustration. There is, also, a large pipe organ in the University chapel.

Admission

For the general regulations governing all students under the Faculty of Fine Arts (see page 289).

To Candidacy for the Degree of Bachelor of Music

The requirements for admission to the course leading to the degree of Bachelor of Music are: (1) The completion of courses of study in Columbia College or Barnard College, amounting to a credit of sixty-two points (substantially, two years' undergraduate study), or of their equivalent elsewhere; (2) the ability to play, on the pianoforte, the Two-Part Inventions of Bach.

To Candidacy for the Certificate of Proficiency

The requirements for admission to the course leading to a Certificate of Proficiency in Music are: (1) The passing of examinations (see page 154) amounting to a credit of ten points, from among the following subjects, English and one other language being required:

	POINTS
English	3
Elementary Greek	3
Elementary Latin	2
Elementary French	2
Elementary German	2
Elementary Italian	2
Musical Appreciation	1
Harmony	1
Musical Performance	2
Elementary Mathematics	3
Elementary History	2
Elementary Physics	1
Advanced Mathematics	1
Advanced History	1

(2) The ability to play, on the pianoforte, the Two-Part Inventions of Bach.

Programs of Studies

The candidate for the degree of Bachelor of Music is expected to

pursue courses of study aggregating, at least, seventy-five points, as follows:

a. (prescribed) All the courses in composition and criticism offered by the School of Music; a year's course in each of the following: language, literature, history, and the fine arts other than Music.

b. (elective) Other courses offered in the University, for which the student has the necessary prerequisite, especially courses in Musical Performance, Æsthetics, Physics, or Psychology.

The candidate is further required to produce a satisfactory original composition for orchestra or with orchestral accompaniment, and to submit an essay on a musical subject.

The candidate for the Certificate of Proficiency is expected to fulfil the same requirements as are demanded in the course leading to the degree of Bachelor of Music (see above), except that only fifty points of credit are required. The same requirement is made with regard to the original composition and the thesis as in the case of a candidate for the degree of Bachelor of Music.

SCHOOL OF DESIGN

The School of Design cannot yet offer a sufficiently complete series of courses to warrant the granting of the degree of Bachelor of Design which in due time it is the intention of the University to award to properly qualified students. A Certificate in Design, however, is provided for. Candidates for this certificate and non-matriculated students who may wish to qualify for the degree, when it shall have been established, may receive credit for such courses as they take and may later count them toward the degree.

Equipment

The equipment includes, besides the resources of the Department of Architecture and of the Avery Library already referred to, those of the Department of Fine Arts of Teachers College, which occupies the fourth floor of the Macy Building. Three large studios, with north light, will each accommodate fifty students in drawing, design, or painting. The modelling studio, in the basement of the main building, will accommodate thirty students. The department has recently received from Dr. Denman W. Ross, of Cambridge, Massachusetts, a gift of over three hundred pieces of textile, specially chosen for design and color, and the College has acquired many choice examples from the Drake collection of copper and brass. Beside these, there is a large amount of material for study and reference—casts, still life objects, photographs and loan collections of textiles, books, and Japanese prints.

Admission

For the general regulations as to admission see page 289.

Every candidate for admission to the courses for the Certificate of Proficiency in Design (Painting, Sculpture, or Decoration) is required:

(1) To pass entrance examinations (see page 154) counting 10 points, as indicated below. The candidate *must* offer:

	POINTS
Drawing	1
French or German or Italian	2
English	3

and four points from the following subjects:

Elementary Mathematics	3
Advanced Mathematics [1]	1
Elementary Physics [1]	1
Chemistry [1]	1
Elementary History	2
Elementary Greek	3
or Elementary Latin	2

(2) To give evidence of a practical knowledge of the elementary technique of work in India-ink and water-colors, and of proficiency in sketching from the object and from simple plaster casts of ornament or of the figure, in pencil or charcoal.

The certification of the National Academy of Design as to proficiency in drawing is accepted for both the formal and the informal requirements in that subject.

Students of the National Academy of Design are admitted, upon recommendation of the President of the Academy, as non-matriculated students in the School of Fine Arts, to take such courses as they may select, subject to the approval of the President of the Academy and the Dean of the Faculty of Fine Arts.

Program of Studies for the Certificate of Proficiency

This course is intended to give the student, first, a broad outlook upon the whole field of the fine arts, by an outline study of the theory, criticism, and history of the arts in general; secondly, a more detailed acquaintance with the history and principles of the particular branch of the fine arts in which the student elects to specialize; and thirdly, a sufficient amount and variety of technical training to qualify him to pursue with success the particular branch of art which he has elected, besides giving him some experience and understanding of the technical processes and methods of expression of other forms of art. In view of the great variety of purpose which may exist among students of equal earnestness and intelligence, the curriculum has been made somewhat flexible; so that, within defined limits, the relative pro-

[1] Students found deficient in these subjects on examination are advised to consult the Announcement of the Summer Session of Columbia University, which will be sent upon application to the Secretary of the University.

portion of lecture work and research, on the one hand, and of studio practice on the other, may be considerably varied. It should be possible to complete the work for the certificate in about three years, of which the first two years would be in large measure devoted to the more general studies of the curriculum, and the last year to special study and discipline in the particular field of painting, of sculpture, or of decoration, as the student may elect. One hundred and fifteen points are required for the certificate. Of these, 47 are assigned to prescribed courses, from 10 to 25 to elective courses, and the balance to work in the studio.

These 115 points may be acquired in any order and combination which conforms to the necessary sequence of preliminary and advanced subjects, each student registering for any number of courses he may desire to take and for which he is qualified by previous training, and paying for each course the required fee up to a maximum total of $150 annually.

Program of Studies

The following courses aggregating 47 points are prescribed for all candidates for the Certificate. Courses whose numbers are prefixed with the initials N. A. are given by the National Academy of Design; T. C. indicates that the course is given in Teachers College.

Detailed information as to these courses will be found in the separately printed *Announcement of the Faculty of Fine Arts*. The attention of students is also directed to the other courses in subjects allied to the Fine Arts offered by the Departments of Philosophy, History, English, Latin, Greek, Germanic, Romance, Indo-Iranian and Semitic Languages. (See pages 41 *et. seq.* of this volume.)

	POINTS
Principles and Problems of Æsthetics (Philosophy 142)	3
General Course, Theory of Fine Arts (N. A. 1)	1
Art Appreciation and History (T. C., Fine Arts 53–54)	4
Principles of Composition, a (T. C., Fine Arts 5–6)	10
Principles of Composition, b (T. C., Fine Arts 11–12)	4
Advanced Composition, Painting (T. C., Fine Arts 9–10) (Or its equivalent in the National Academy of Design)	9
History of Art, Collateral Reading and Research (Fine Arts 1–2)	4
History of Art, Advanced Reading and Research (Fine Arts 101–102)	8
Pictorial Perspective (N. A. 5–6)	2
Artistic Anatomy (N. A. 7–8)	2
	47

From ten to twenty points additional are to be acquired in elective courses selected by the students, subject to the approval of the Dean

and of the instructors giving the several courses. Courses counting for not over 6 of these points may be selected in literature, language, philosophy, science, or history, under the various faculties of the University, subject to the regulations as to prerequisites for each course. The remaining points (or the entire number if preferred) in elective subjects are to be taken from the following list. *Starred* courses are prescribed for students taking the course in Decoration, and are given in the School of Architecture.

Elective Courses

	POINTS
*Elements of Architecture (1.)	2
Ancient Architectural History (21–22)	6
Mediæval Architectural History (23–24)	4
Modern Architectural History (25–26)	4
*Ancient Ornament (31–32)	2
Mediæval Ornament (33–34)	2
*Modern Ornament (35–36)	2
Theory of Planning and Composition (51–52)	2
*Theory of Decorative Arts (53)	1
*Theory of Color (54)	1
*Graphics (Projections, Shades and Shadows) (5)	3
*Architectural Perspective (6)	3
Archæology in French (41–42)	4
Design (T. C., F. A. 17–18)	6
General Musical Course (Music 1–2)	2
Analysis of Musical Sound (Music 5–6)	2
Musical Art (T. C. Music 7–8)	2
Chinese Civilization (Chinese 11)	2
Greek Vases and Painting (Greek 151–152)	4
Greek Sculpture (Greek 153–154)	4
Introduction to Comparative Literature (Comparative Literature 1–2)	6
Elements of Greek Archæology (Greek 51-52)	4
Advanced Design and Interior Decoration (T. C., F. A. 19–20)	6

Studio Work

The candidate for the Certificate is further required to do work in the studio by which he may obtain a credit of 43 to 58 points. This requirement is based upon the supposition that the student can meet it by an average, for each point, of one hour of studio work per week through the academic year. This work is additional to any studio work accompanying prescribed courses. The total number of points to be obtained in studio work depends upon the amount of elective work taken, the aggregate requirement for both classes of

work being in all cases 68 points, which added to the 47 points in prescribed subjects make the total of 115 points required for the Certificate.

The required studio work may be pursued in any one or more of the three studios connected with the University—that of the National Academy of Design at the corner of Amsterdam Avenue and 109th Street, that of Teachers College, and that of the School of Architecture —according as one may find in one or another the particular training he most requires.

	POINTS
Elementary Draftsmanship	4
(Proficiency in the elementary technique of the pencil, charcoal, and brush, in black-and-white and color.)	
Elementary Oil Painting or Modelling	2– 4
(Drawing and painting from still-life are included under the above two headings.)	
Drawing from the antique	6– 8
Drawing from nature and from life	8–10
(Including landscape, animals, and figures.)	
Advanced painting from landscape and from life Advanced modelling from life Advanced decorative work from nature	10–14
Advanced composition (additional to prescribed course on page 299)	5– 8
(Separately in Painting, Sculpture, and Decoration.)	
Original Design, Advanced	10–12
(Original work on specified programs, in Painting, Sculpture and Decoration, with final thesis-exercise accompanied by dissertation.)	
	45–60

Points not to exceed 4 in the aggregate may be granted for work done in summer schools of Art, or during the summer upon a schedule previously approved by Professor Dielman.

In general, except in the School of Architecture, the lecture courses and research work are assigned to the afternoon hours, the morning hours being left free for studio work. The collateral reading and research, consisting of studies upon assigned topics in the history of art, with accompanying sketches and written reports, may be pursued in the Avery Architectural Library, the departmental libraries of the Department of Fine Arts of Teachers College and of the School of Architecture, and in the library and collections of the Metropolitan Museum of Art.

REGISTER OF STUDENTS

FACULTY OF FINE ARTS

School of Architecture

CANDIDATES FOR DEGREES

ACKER, JESSE ..... New York City
ALBERTSON, WILBUR NICHOLAS ..... New York City
ALMAND, JOHN PARKS, B.S. Emory 1907 ..... Lithonia, Ga.
BERG, ARMAND V. ..... Savannah, Ga.
BERMINGHAM, EDWARD JOHN ..... New York City
BERNSTEIN, CHARLES D. ..... New York City
BISSELL, CYRUS YALE ..... Jersey City, N. J.
BRAINERD, HARRY BEARDSLEE ..... New York City
BRENNER, SAMUEL ..... New York City
CHAPMAN, FREDERICK BURNHAM, A.B. Yale 1905 ..... Auburn, N. Y.
CLARK, DANA LOUIS ..... Cleveland, O.
CLARK, JOSEPH H., A.B. Yale, 1905 ..... New York City
DAVIS, ELLERY LOTHROP, A.B. Nebraska 1906 ..... Lincoln, Neb.
DUDLEY, RALPH, B.S. Ala. Poly. Inst. 1905 ..... Columbus, Ga.
FUDJI, GILBERT JACQUES ..... New York City
GOLDMAN, HAROLD ..... New York City
HAWLEY, GRAHAM ..... New York City
HENTZ, HARRY FITZGERALD, Ph.B. Emory 1904 ..... Oxford, Ga.
HUGHES, HARRY D. ..... Cleveland, Ohio
JAHELKA, ROBERT ..... New York City
JOHNSON, FOLGER, B.S. Georgia 1902 ..... Upper Montclair, N. J.
KAHLE, HERMAN ..... New York City
LANGMANN, OTTO FRED., A.B. Harvard 1906 ..... New York City
LUITHLEN, WILLIAM ..... New York City
MARKWITZ, ABRAHAM, B.S. Cooper Union 1906 ..... New York City
OBERLANDER, HENRY C. ..... New York City
PALLISER, GEORGE ARTHUR ..... New York City
POND, LESTER MUNROE ..... Hartford, Conn.
PRITZ, BESSIE, B.L. Nashville 1897 ..... Nashville, Tenn.
SAFIER, ISADOR EDWARD ..... Newark, N. J.
SMALLWOOD, ROBERT FLEET, B.S. Davison 1906 ..... New Berne, N. C.
SMYTHE, RICHARD HAVILAND ..... New York City
TAYLOR, EDWARD CRAY ..... Los Angeles, Cal.
TROTT, JOHN CLINTON ..... New York City
VOLZ, HANS CARL ..... Greenwich, Conn.
WAY, HAROLD DAVID, Ph.B Iowa 1907 ..... Grinnell, Ia.
WEIHER, HENRY ALBERT ..... New York City
WESCOTT, JAY V. ..... Los Angeles, Cal.
YOKOYAMA, YASOSHICHIRO ..... Tokio, Japan

Total candidates for degree 39

CANDIDATES FOR CERTIFICATE

ADAMS, CARLETON WIER ..... San Antonio, Texas
ADAMS, FREDERIC ELIOT ..... New York City
ADLER, RUDOLF SARTORIOUS ..... Atlanta, Ga.

ALCANTARA, DE, ARMANDO, B.S., Sch. of Arts and Trades, Lima 1906...Lima, Peru
BARBER, HERBERT COLES.....New York City
BLAKEMAN, FREDERICK T., A.B., Princeton 1906.....New York City
BONESTELL, CHESLEY KNIGHT, JR.....Tucson, Ariz.
CASSEBEER, WALTER HENRY.....Rochester, N. Y.
DEAN, HENRY CHARLES.....New York City
FLANAGAN, ALBERT EDWARD.....East Orange, N. J.
FONTS, ARTHUR, JR.....New York City
FREES, HARRY JOHN.....New York City
GREENBERG, ABRAHAM BENTON, A.B., C. C. N. Y. 1904..... New York City
GUGLER, ERICH..... Milwaukee, Wis.
GUNTHER, GEORGE PHILIP.....New York City
HARTMAN, HARRIS VINCENT.....Milwaukee, Wis.
HARTWIG, FREDERICK JOHN.....Hoboken, N. J.
HAXBY, ROBERT VAN LOAN.....Poughkeepsie, N. Y.
HICKENLOOPER, GEORGE.....St. Louis, Mo.
HOAG, LEON HUESTED.....New York City
HYMAN, SAM LIGHTNER.....San Francisco, Cal.
INGLE, JOHN WILLIAM, JR.....New York City
KLEIN, WALTER.....Weehawken, N. J.
KNAPP, GEORGE ARNOLD.....Chicago, Ill.
KNIGHT, JOHN JACOB.....Avon, N. Y.
LANG, JOHN THOMAS.....New York City
MACKBY, JULIUS, B.S., C. C. N. Y., 1900.....New York City
MAHNKEN, LOUIS.....New York City
MORALES, LEONARDO.....Havana, Cuba
MOREWOOD, FRANCIS EDMUND.....Englewood, N. J.
MURPHY, HENRY CRUSE, JR.....New York City
PASSMAN, MATTHEW OSCAR.....New York City
PHILLIPS, EDWARD SOMERVILLE J.....New York City
SCHMIDT, EDWARD GUNTHER.....New York City
SCHMIDT, JULIUS W.....New York City
SCHNEIDER, WALTER SCHLESINGER.....New York City
SEIDENBERG, RODERICK.....New York City
SMITH, HOWARD DWIGHT, C.E. Ohio State 1907.....Dayton, Ohio
STAUB, PETER MICHAEL.....Mamaroneck, N. Y.
SUGARMAN, MORRIS HENRY.....New York City
SWORTWOUT, RUSSELL GEORGE .....Scarsdale, N. Y.
THOMPSON, WILLIAM STUART.....New York City
VAN DRESER, WALTER.....Gloversville, N. Y.
WEAVER, JOHN ALLEN.....Weehawken, N. J.
WEBER, RUDOLF HERMAN.....New York City
WHITON, AUGUSTUS S.....New York City
ZELENKO, WILLIAM.....New York City

Total candidates for certificate..... 47

NON-MATRICULATED STUDENTS

ADAMS, ARTHUR FREDERICK HOGARTH.....Spokane, Wash.
BARILI, ALFREDO, JR.....Atlanta, Ga.
BOILLOT, ELMER.....Kansas City, Mo.
BURDETT, THOMAS HENRY.....Middletown, Novia Scotia
CAVE, WILLIAM PERRY.....Lynchburg, Va.
CHRISTIAN, ANNA MAY.....Minneapolis, Minn.
CORNELL, JOSEPH HENRY.....Lawrence, L. I.
COWIE, ROBERT.....St. Paul, Minn.
DISTIN, WILLIAM GEORGE.....Saranac Lake, N. Y.
DITTMER, CHARLES HERMAN.....Kent, Ohio

ETTART, RUSSELL, B.P. Furman 1895.....New York City
HAIGHT, ALTON CLARK.....Brookfield Center, Conn.
HALL, BERNICE KINGSTON.....New York City
HALLEY, WILLIAM MARQUETTE.....New York City
HUBER, JOSEPH CONSTANT, JR.....Toledo, Ohio
JOHNSTON, HOWARD, JR.....St. Paul, Minn.
KENYON, HENRY RUSSELL.....New York City
KNIFFIN, HERBERT REYNOLDS.....New York City
LEWIS, PERCY PARKE.....Waterbury, Conn.
MACKENZIE, JAMES CAMERON, JR.....Dobbs Ferry, N. Y.
MAURER, HERMAN BARTHOLOMAUS.....Hempstead, L. I.
MEAD, CHARLES BARRY.....Hartford, Conn.
MEYER, HANS CHARLES.....New York City
MORGANSTERN, GEORGE A.....Easton, Pa.
NOSTRAND, EUGENE STANTON.....Arlington, N. J.
PORTER, ARTHUR KINGSLEY, A.B., Yale 1904.....New York City
ROTT, MAXWELL.....New York City
SEABURY, HARRY MUMFORD.....Springfield, Mass.
SENILLOSA, JULIUS.....Buenos Ayres, Argentine, S.A.
TORRE, PETER, JR.....New Orleans, La.
TROWBRIDGE, SILAS DUNCAN.....Atlanta, Ga.
WESTCOTT, GEORGE EDWIN, JR.....Waterville, N.Y.
WHITE, CLIFTON WINSOR.....Summit, N. J.
ZINK, ANTHONY.....New York City

Total Non-Matriculated students..... 34

CANDIDATES FOR THE HIGHER DEGREES

MURRAY, LILY SYLVESTER, A.B., 1905.....Montclair, N. J.

NOT IN ACTUAL RESIDENCE

BOTTOMLY, WILLIAM LAWRENCE, B.S., 1906.....Villa Mirafiore, Rome

Total..... 2

School of Music

GRADUATE STUDENT

BELLINGER, FRANZ.....Indianapolis, Ind.

[1]

CANDIDATES FOR DEGREE

FUCHS, HENRY HEWITT.....New York City
GILBERT, GEORGE FREDERICK.....Madison, N. J
GOTTLIEB, JACQUES LAWRENCE.....New York City
KUGEL, ADOLPH.....New York City
NORDEN, N. LINDSAY.....New York City
WEBSTER-POWELL, ALMA, (MRS).....New York City

[6]

NON-MATRICULATED STUDENTS

ASH, MRS. MARK.....New York City
BEDELL, ANNIE LOUISE.....New York City
CAPO, GAINSBORG RUBIN.....New York City
CARAMES, ANGELO.....New York City
FUESS, HAROLD LOUIS.....Waterville, N. Y.
GOTTLIEB, ROSE.....New York City
GRAEF, ELIZABETH ANTOINETTE.....New York City
HARRAT, FRANK TURNER.....New York City
HAROWITZ, PAUL.....New York City

HYDE, MARY G.....New York City
JACKSON, EDA FANNIE.....New York City
KENDALL, ELSIE FRANCES.....New York City
KING, ETHEL MAY CECELIA.....New York City
KNIGHT, NANCY.....New York City
KRAFT, WILLIAM JACOB.....Mamaroneck, N. Y.
MEHLER, ELSA SAUTER.....New York City
MEYER, MAUD EMMA.....New York City
MEYER, VIRGINIA ELEANOR.....Coytesville, N. J.
ULANOV, NATHAN.....New York City
VOGEL, HARRY.....New York City
WINTER, NORMAN.....New York City
WOODFORD, HELEN TREDWAY.....Mt. Vernon, N. Y.

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SUMMARY—FINE ARTS

ARCHITECTURE

Students candiates for degree	39	
Students, candiates for certificate	47	
Non-matriculated students	34	
Candidates for the higher degrees	2	
Total, Architecture		122
Music		29
Grand Total		151

BARNARD COLLEGE

TRUSTEES

Silas B. Brownell, LL.D., *Chairman*
Mrs. A. A. Anderson, *Vice-Chairman*
Frederick S. Wait, *Clerk*
George A. Plimpton, *Treasurer*

Silas B. Brownell, LL.D.
Mrs. Joseph H. Choate
Mrs. Alfred Meyer
George A. Plimpton
Mrs. James Talcott
Mrs. Henry Fairfield Osborn
Mrs. A. A. Anderson
Frederick S. Wait
Edward W. Sheldon
Rev. William M. Grosvenor, D.D.
Seth Low, LL.D.
Franklin B. Lord
Frederic B. Jennings
Mrs. Henry N. Munn
Nicholas Murray Butler, Ph.D. LL.D.(Cantab.), Litt.D. (Oxon.)
Albert G. Milbank
Mrs. Francis P. Kinnicutt
Miss Clara B. Spence
Charles Stewart Smith
Howard Townsend
John G. Milburn
Florence Colgate
Mrs. Malcolm D. Whitman
Mary Stuart Pullman

Standing Committees

1907

Executive Committee: Dr. Brownell (*Chairman*), Mrs. Anderson (*Vice-Chairman*), Mr. Wait (*Clerk*), Dr. Butler, Mr. Low, Mr. Milbank, Mrs. Osborn, Mr. Plimpton, Mr. Sheldon.

On Finance: Mr. Milbank (*Chairman*), Mr. Lord, and Mr. Smith.

On Buildings and Grounds: Mrs. Osborn (*Chairman*), Mrs. Anderson, Mrs. Munn, and The President (ex-officio).

On Education: Mr. Jennings (*Chairman*), Miss Spence, Mr. Townsend, and The President (ex-officio).

OFFICERS OF INSTRUCTION

Officers of the Faculty

[1] Laura Drake Gill, A.M., D.C.L., *Dean and ex-officio Member of the University Council*
William Tenney Brewster, A.M., *Acting Dean*
Henry E. Crampton, Ph.D., *Acting Secretary*

[1] Absent on leave

JAMES HARVEY ROBINSON, Ph.D., *Elected Delegate to the University Council (term expires 1909)*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., (Cantab.) Litt.D. (Oxon) *President*

[1] LAURA DRAKE GILL, A.M., D.C.L., *Dean*

EDWIN R. A. SELIGMAN, Ph.D., LL.D, *McVickar Professor of Political Economy*

HERBERT L. OSGOOD, Ph.D., LL.D., *Professor of History*

EDWARD DELAVAN PERRY, Ph.D., LL.D., *Jay Professor of Greek*

GEORGE RICE CARPENTER, A.B., *Professor of Rhetoric and English Composition*

FRANKLIN HENRY GIDDINGS, Ph.D., LL.D., *Professor of Sociology and the History of Civilization*

JOHN B. CLARK, Ph.D., LL.D., *Professor of Political Economy*

JAMES RIGNALL WHEELER, Ph.D., *Professor of Greek Archæology and Art*,

FRANK N. COLE, Ph.D., *Professor of Mathematics*

JAMES HARVEY ROBINSON, Ph.D., *Professor of History*

CALVIN THOMAS, LL.D., *Gebhard Professor of the Germanic Languages and Literatures*

CARLO LEONARDO SPERANZA, A.M., B. ès L., *Professor of Italian*

[1] WILLIAM P. TRENT, M.A., LL.D., D.C.L., *Professor of English Literature*

HERBERT GARDINER LORD, A.M., *Professor of Philosophy*

NELSON GLENN MCCREA, Ph.D., *Professor of Latin*

LIVINGSTON FARRAND, A.M., M.D., *Professor of Anthropology*

[1] BENJAMIN D. WOODWARD, Ph.D., *Professor of the Romance Languages and Literatures*

HENRY E. CRAMPTON, Ph.D., *Professor of Zoölogy*

WILLIAM TENNEY BREWSTER, A.M., *Professor of English, and Acting Dean*

CHARLES KNAPP, Ph.D., *Professor of Classical Philology*

HENRY L. MOORE, Ph.D., *Professor of Political Economy*

HERBERT MAULE RICHARDS, Sc.D., *Professor of Botany*

MARGARET E. MALTBY, Ph.D., *Adjunct Professor of Physics*

LOUIS AUGUSTE LOISEAUX, B.S., *Adjunct Professor of the Romance Languages and Literatures*

JAMES T. SHOTWELL, Ph.D., *Adjunct Professor of History*

GEORGE WILLIS BOTSFORD, Ph.D., *Adjunct Professor of History*

EDWARD KASNER, Ph.D., *Adjunct Professor of Mathematics*

WILLIAM P. MONTAGUE, Ph.D., *Adjunct Professor of Philosophy*

GRACE A. HUBBARD, A.M., *Adjunct Professor of English*

MARY KINGSBURY SIMKHOVITCH, A.B., *Adjunct Professor of Social Economy*

MABEL FOOTE WEEKS, A.B., *Adjunct Professor of English*

[1] Absent on leave.

Standing Committees of the Faculty

COMMITTEE ON THE PROGRAM OF STUDIES: The DEAN, *chairman*. Professors KNAPP, RICHARDS, MALTBY and MONTAGUE

COMMITTEE ON ADMISSIONS: Professors COLE, *chairman*, KNAPP and RICHARDS

COMMITTEE ON SCHOLARSHIPS: The DEAN, *chairman*, Professor HUBBARD and Dr. HIRST

COMMITTEE ON HONORS: Professors ROBINSON, *chairman*, KASNER and Dr. BRAUN

COMMITTEE ON STUDENT ORGANIZATIONS: Professors SHOTWELL, *chairman*, MOORE, and Dr. REIMER

Other Officers of Instruction.

MARIE REIMER, Ph.D.
HENRY BARGY, A.M.
GERTRUDE M. HIRST, Ph.D.
WILHELM ALFRED BRAUN, Ph.D.
TRACY ELLIOT HAZEN, Ph.D.
RAYMOND C. OSBURN, Ph.D.
HENRI F. MULLER, B. ès L.
ELEANOR KELLER, A.B.
IDA H. OGILVIE, Ph.D.
MARGARET A. REED, A.B.
T. LESLIE SHEAR, Ph.D.
HAROLD C. BROWN, Ph.D.
PAULINE HAMILTON DEDERER, A.M.
ALEXANDER OTTO BECHERT, A.M.
SAMUEL R. WILLIAMS, Ph.D.
MARION E. LATHAM, A.M.
ALLEN W. PORTERFIELD, A.M.
EDGAR H. STURTEVANT, Ph.D.
WILLIAM C. KRATHWOHL, A.B.
CLARK WISSLER, Ph.D.
WILLIAM B. PARKER, A.B.
ALGERNON DE V. TASSIN, A.M.
DINO BIGONGIARI, A.B.
JOHN LAWRENCE GERIG, Ph.D.
ALLAN F. WESTCOTT, A.M.
MAUDE ALICE HUTTMANN, A.M.
EUGENE E. AGGER, Ph.D.
ROBERT EMMET CHADDOCK, A.M.
HERBERT H. WOODROW, A.B.
ALICE HASKELL, A.B.
GRACE POTTER REYNOLDS, A.M.
ELIZABETH ILSLEY THOMPSON, A.B.
GRACE LANGFORD, S.B.
FRANK C. BECKER, A.B.

For other officers of the University who may give instruction to students of Barnard College, consult the several departmental statements.

Officers of Administration

N. W. LIGGETT, A.B., *Bursar*
ANNA E. H. MEYER, A.B., *Secretary*
AGNES OPDYKE, A.B., *Registrar*

FREDERICK A. GOETZE, M.Sc. ..... *Consulting Engineer*
JAMES H. CANFIELD, LL.D., Litt.D. (Oxon.), *Librarian*
BERTHA L. ROCKWELL, *Custodian of the Ella Weed Reading-Room*

GENERAL STATEMENT

In 1883 the Trustees of Columbia College offered degrees to women

who should be able to pass the necessary examinations, without, however, providing instruction for them. The resulting system, called *The Collegiate Course for Women*, proved unsatisfactory to both parties. Therefore Barnard College was organized in 1889 to provide instruction for women which should be identical with or equivalent to that provided by Columbia for men.

For eleven years it duplicated for women as far as possible the curriculum of Columbia College, and also registered for graduate work under the University Faculties women who held the bachelor's degree from institutions of good standing. Its instructors were members of the University staff. Examinations for entrance, those given in course, and those for degrees, were conducted by Columbia University. During the first three undergraduate years separate instruction was given to women; in the senior year they were admitted to certain courses in the University. Graduate students attended many courses at the University under the Faculties of Philosophy, Political Science, and Pure Science, the laboratory work in science being done at Barnard College.

However, Barnard's numerical growth made inappropriate the informal arrangement for instruction which was the natural method at the outset, and it became necessary to recognize formally the status which had gradually come into existence. Accordingly, an agreement was entered into in January, 1900, by which Barnard was included in the University system. Barnard is now an independent college for women with a corporation and a faculty of its own vested with all the powers commonly belonging to such bodies. At the same time, it shares the library, the instruction, and the degrees of Columbia University.

A more exact idea of the relations between Barnard College and Columbia University and also of the relations between Barnard College and Teachers College is given in the *résumé* of the agreement above mentioned to be found in the current edition of the *Announcement of Barnard College*. This may be obtained without charge upon application to the Secretary of Barnard College.

ADMISSION

The Committee on Admission has charge of everything relating to this subject.

The general regulations for admission are the same as those for Columbia College, see page 172.

Every candidate for admission to Barnard College, either to the freshman class or to a special course, is required at the entrance examinations to offer subjects amounting to fifteen (15) points as indicated below. A point here represents a course of five periods weekly throughout an academic year of the preparatory school.

The candidate *must* offer:

	COUNTING IN POINTS
English	3
Elementary Mathematics	3
and in case of a candidate for the A.B. degree:	
Elementary Latin	4
or in case of a candidate for the B.S. degree:	
Science	2
Advanced or Intermediate subjects	2
or in case of a candidate for the general two-years' course:	
Ancient or Modern Foreign Languages	4
History, Foreign Languages, Mathematics or Science	5

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering the corresponding elementary subject as well:

	COUNTING IN POINTS
Elementary Greek	3
Elementary History	2
Drawing	1
Music	1
Intermediate French	1
Intermediate German	1
[1] Advanced English	1
[1] Advanced Greek	1
[1] Advanced History	1
[1] Advanced Latin	1
Advanced Mathematics	1
[1] Advanced Physics	1

The candidate may offer not more than 4 points in all from the three subjects following:

	COUNTING IN POINTS
Elementary French	2
Elementary German	2
Italian	2
Spanish	2

The candidate may offer not more than 2 points in all from the five subjects following:

	COUNTING IN POINTS
Botany	1
Chemistry	1
Elementary Physics	1
Physiography	1
[1] Zoology	1

For full definitions of the above requirements and for information

[1] Candidates will be examined in this subject only in January and September.

regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see pages 154–163.

Certificates in Lieu of Entrance Examinations

See the "Acceptance of Certificates in Columbia College," page 174

Entrance Conditions and Probation

A student may be admitted to the freshman class on probation when the total number of points received by her in the entrance examinations amounts to eleven (11) out of the total required fifteen (15) points; but general deficiency in any one of the prescribed subjects will be regarded as disqualifying a candidate for admission.

A student admitted conditionally or by certificate will be held under probation during the first half-year of residence. For a detailed statement regarding the conditions of probation, see "On Probation in Columbia College," page 175.

To Advanced Standing

See the "Requirements for Admission to Advanced Standing in Columbia College," page 174.

In addition, the credits granted in any subject to a student admitted with advanced standing may be withdrawn or diminished in amount, if, in pursuing such subject after admission to Barnard College, the student prove that the granting of the credits was wholly or in part unwarranted by her previous work.

No student may receive a degree who has resided less than two full half-years at Barnard College.

No applicant will be allowed to enter the senior class as a candidate for a degree after October 15 in any year.

As Special Students

Candidates for admission as special students must make application in writing at least one week before the first day of the entrance examinations in September or in January. Proper blanks for this purpose may be obtained from the Registrar.

Special students in Barnard College are of two classes: non-matriculated and matriculated.

Non-matriculated special students must be women of mature age who wish to pursue chiefly advanced courses of special study. They may be admitted at the discretion of the Committee on Admissions without passing formal entrance examinations. They must furnish proof that they have at some time pursued the studies included in the

matriculation examinations and must satisfy the requirements of the department that they desire to enter.

No courses taken by non-matriculated special students can at any time be counted by them toward a degree.

Matriculated special students are women who wish, without taking a degree, to make a serious study of some subject or group of subjects. They must pass the regular examinations for admission to the freshman class and have full credit for fifteen (15) points of the entrance requirements. (See p. 309.) They may, therefore, in event of a change of plan, be credited with such of their courses as may coincide with the courses leading to a degree.

Information regarding the regulations governing the election of studies, amount of work, attendance, examinations, etc., of special students is contained in the *Barnard College Announcement* which can be obtained without charge from the Secretary of Barnard College.

MATRICULATION, REGISTRATION, FEES

Detailed information regarding matriculation, registration, and fees will be found in the current *Announcement of Barnard College,* which can be obtained without charge on application to the Secretary of Barnard College.

DORMITORY

Detailed information about Brooks Hall, the new hall of residence which was opened for occupancy in September, 1907, can be obtained from the Secretary of Barnard College, New York City, N. Y.

THE PROGRAM OF STUDIES

Upon completion of a curriculum arranged on one of the plans to be described below, the student is recommended by the Faculty of Barnard College for the degree of Bachelor of Arts or Bachelor of Science.

I THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

Unless the equivalents are offered for admission, the following courses are prescribed:

English A	6 points
English B	6 "
French A and German A	12 "
History A	6 "
Latin A or B	6 "
Mathematics A	6 "
Philosophy A	6 "

Physical Education A and B	4 points
Economics A	3 "
Chemistry 5–6 or Physics 11–12	6 "
Botany, Chemistry, Geology, Physics, Psychology (Experimental), *or* Zoology: two half-year courses in addition to the foregoing requirements in Physics or Chemistry	6 "
Major subject	18 "
Free electives to complete the total of	124 "

II THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

Unless the equivalents are offered for admission, the following courses are prescribed:

English A	6 points
English B	6 "
French A and German A	12 "
History A	6 "
Mathematics A	6 "
Philosophy A	6 "
Physical Education A and B	4 "
Grouped work in Astronomy, Botany, Chemistry, Geography, Geology, Mineralogy, Physics, Experimental Psychology, and Zoology, amounting to a total of at least	70 "
(Of these 70 points at least 28 points shall be taken in a major subject, at least 12 points in an allied minor subject, and at least 12 points in a diverse minor.)	

III GENERAL TWO-YEARS' COURSE, NOT LEADING TO A DEGREE

This general course is specially arranged to furnish the collegiate foundation for professional work at Teachers College. It comprises 64 points of work and includes the following prescribed courses unless their equivalents have been offered for admission:

English A or a more advanced course in rhetoric	6 points
English Literature: two half-year courses	4 or 6 "
French, German, Italian, Spanish: two half-year courses in each of two modern languages, preferably French and German	12 "
History A or a more advanced course in history	6 "
Physical Education A and B	4 "
Botany, Chemistry, Geology, Physics, or Zoology: two half-year courses in each of two natural sciences that have not been offered for entrance, at least	12 "
Elective courses to complete the total of	64 "

In regard to the choice of elective courses a student should seek the advice of the professor in charge of her prospective major subject in Teachers College.

After satisfactory completion of 64 points of work in Barnard College, including the courses listed above, a student may transfer, without examination, to the professional curriculum of Teachers College and become a candidate for a Teachers College diploma and the degree of Bachelor of Science in Education.

In consequence of the agreement on the part of Barnard College to provide the collegiate course required by Teachers College for admission to its professional curriculum, Teachers College has withdrawn its collegiate curriculum.

IV OPTIONS IN THE PROFESSIONAL SCHOOLS FOR CANDIDATES FOR A BARNARD COLLEGE DEGREE

A student may plan her work in such a way as to earn a professional diploma from Teachers College at the same time as her academic degree from Barnard College. After completing in Barnard College 94 points of work, including all courses prescribed for one of the bachelor's degrees of Barnard College and Education A, she may transfer, with the permission of the Dean of Barnard College and the Dean of Teachers College, to Teachers College at the end of her junior year and become a candidate also for the bachelor's diploma in teaching. A student so transferred will be recommended for her prospective degree by the Faculty of Barnard College, on its receipt of a statement from the Faculty of Teachers College of her satisfactory completion of the requirements for a bachelor's diploma.

For full details regarding the major subjects in teaching, their requirements and prerequisites in collegiate work, and the most advantageous division of work in education, the student is referred to the current announcement of Teachers College.

Scholarships, Prizes, and Honors

(See page 411)

REGISTER OF STUDENTS

SENIORS—CLASS OF 1908.

ALLEN, ELIZABETH.....New York City
ARMSTRONG, CLAIRETTE PAPIN.....New York City
ARMSTRONG, LAURA JULIA.....New York City
ASH, ALMA.....New York City
ASKOWITH, DORA.....Chelsea, Mass.
AXT, MAY CHARLOTTE.....New York City
*BACK, ELIZABETH MITCHELL.....Yonkers, N. Y.
BEEKMAN, ROSE.....New York City
BEERS, BESSIE ANDREWS.....New York City
BOARDMAN, MARTHA TRACY.....Bloomfield, N. J.
BRUNDIN, THORBORG MARIE.....New York City
*BRUSH, ANNA COOLEY.....New York City
BUDDS, MARY HORNOR.....New York City
BURROWS, EDITH MAIE.....Tarrytown, N. Y.
CASEY, MARY AGNES.....New York City
CLAPP, ELSIE RIPLEY.....New York City
CROWELL, MARION BARTON.....New York City
*DWYER, ELEANOR AGNES.....New York City
EASTMAN, MARJORIE MCCLINTOCK.....Andalusia, Pa.
*EATON, CLARA CECELIA.....New York City
ELTZNER, DOROTHEA.....New York City
EVERETT, ETHEL GRACE.....New York City
*FERNS, EDITH.....Mount Vernon, N. Y.
FLACK, CORNELIA ANDREWS.....New Rochelle, N. Y.
FOX, ELIZABETH FREEMAN.....New York City
GLEN, HELEN RENWICK.....Elizabeth, N. J.
GOLDE, MARGARET DORIS.....New York City
GRAY, HELEN YOUNG.....New York City
HEIM, LILLIAN.....New York City
HELMRICH, ELSIE WINIFRED.....New Rochelle, N. Y.
*HENDERSON, NATHALIE.....New York City
HERSHFIELD, ALICE LEAH.....New York City
*HOUSTON, JESSIE FERGUSON.....Orange, N. J.
*HUFELAND, ELEANOR.....Mount Vernon, N. Y.
*HUFELAND, MARIE AUGUSTA.....Mount Vernon, N. Y.
HUNSDON, ELEANOR CARY.....New Rochelle, N. Y.
JEIDELL, HELMINA (Mrs. E. J. JEIDELL).....New York City
KERNER, ANNA MILDRED.....Chester, N. Y.
KLEIN, MAUDE IRENE.....New York City
*MARSHALL, AGNES MARGARET.....New York City
MASTIN, FLORENCE JOSEPHINE.....New York City
MAXON, MARY.....Mount Vernon, N. Y.
MILLER, MARY AGNES.....New York City
MOREHOUSE, ESTHER.....Bridgeport, Conn.
MULLER, ADA HERMINE.....New York City

MURTHA, MARY WASHBURN.....New York City
NEWLAND, MARGUERITE CORLIES.....New York City
PETERSON, MABEL LOUISE.....New York City
*PRAHL, JOSEPHINE ANNA.....New York City
QUINBY, ELSIE MAY.....White Plains, N. Y.
QUINN, MAY KATHERINE.....Bayonne, N. J.
REHMANN, ELSA.....Newark, N. J.
REQUA, ADELAIDE.....New York City
*RICHARDSON, EDITH CUSHING.....New York City
ROTHENBERG, ANNIE.....Meridian, Miss.
SAMMET, FLORENCE.....New York City
SAVITZ, LINDA BELLE.....Westfield, N. J.
SCHRAMM, ETHEL BELL.....New York City
STEIN, GERTRUDE ROSE.....New York City
*STEINBERG, PAULINE.....Elizabeth, N. J.
STRAUSS, MARGUERITE JULIE.....New York City
TATTERSHALL, LOUISE MAY.....White Haven, Pa.
TRAITEL, LOUISE.....New York City
TURNBULL, ANNIE GRACE.....Tuckahoe, N. Y.
VEITH, HELEN IDA.....New York City
WELLS, GERTRUDE.....East Orange, N. J.
WELLS, HILDA E.....Keyport, N. J.
WOLFF, FLORENCE MARTHA.....New York City
WOOLSEY, CATHERINE BUCKINGHAM.....Englewood, N. J.
YATES, MARGARET HALL.....New York City
YOUNG, JENNIE MARIE.....New York City

* Candidates for a Teachers College diploma in Education.

Seniors—Class of 1908.....71

JUNIORS—CLASS OF 1909

ABRAHAM, MATHILDE.....New York City
ALEXANDER, IRMA.....New York City
ALLAN, ALICE RUTH.....Montclair, N. J.
ARKENBURGH, GLADYS STOKLEY.....New York City
ARMSTRONG, LEONORA LOUISE.....Upper Montclair, N. J.
ARON, BEATRICE MARGUERITE.....New York City
BARROWS, WINIFRED.....Greenwich, Conn.
VOM BAUR, EVA ELISE.....New York City
BEAM, LAURA ELLA.....Elizabeth, N. J.
BEEKMAN, BEATRICE.....New York City
BERNARD, UNA MERRILEES.....London, England
BOAS, HELENE MARIE.....Grantwood, N. J.
BOYD, MARION ALICE.....New York City
BUGBEE, EMMA.....Methuen, Mass.
CALMAN, DOROTHY.....New York City
CARROLL, ANTOINETTE LARTIQUE.....New York City
COCHRAN, JESSIE ISABELLE.....New York City
COVENEY, REGINA.....New York City
CRAIG, ELEANOR WOODWORTH.....New York City
CURRAN, MARY ELEANOR.....New York City
DANIELS, MARY ESTHER.....New York City
DANN, MARGIE ETHEL.....Bloomfield, N. J.
DEMAREST, MARY CELIA.....Nanuet, N. Y.
DEMPSEY, JOSEPHINE AGNES V.....New York City
ERNST, FLORENCE CORNELIA.....New York City
FALK, HANNAH CAROLYN.....New York City
FELTUS, ZORAIDA.....Watertown, N. Y.

Fransioli, Antoinette.....New York City
Frink, Margaret Huddleston.....New York City
Gay, Eleanor.....New York City
Godley, Mary Frances.....New York City
Goldberg, Julia.....New York City
Goodwin, Ethel Lizzie.....New York City
Gordon, Anna Miriam.....New York City
Grant, Alice Catherine.....Yonkers, N. Y.
Hall, Theodora.....Mount Vernon, N. Y.
Hamil, Martha.....Troy, Ala.
Hardy, Ruth Gillette.....New York City
Harrison, Marjorie Emmons.....Tazewell, Va.
Hastings, Elinor Isabel.....New York City
Hebberd, Emma Antoinette.....New York City
Hedley, Hilda Warren.....New York City
Hellin, Esther Belle.....New York City
Hochheimer, Rita.....New York City
Hodsdon, Ethel Wentworth.....Jersey City, N. J.
Hoermann, Martha.....Hoboken, N. J.
Holm, Anna Sophie.....Perth Amboy, N. J.
Hubbard, Jennie Fields Warren.....Bloomfield, N. J.
Ingalls, Frances May.....New York City
Ivimey, Ethel Marguerite.....New York City
Jaggard, Alice Granger.....New York City
Johnson, Pauline Dustin.....Dana, Mass.
Josephi, Edith.....New York City
Kaufmann, Jeanette Hellman.....New York City
Kenney, Margaret Frances.....Plainfield, N. J.
Kerr, Lois.....Englewood, N. J.
King, Marie Bernadette.....Upper Montclair, N. J.
Kloster, Vera Eleanor.....New York City
Kupfer, Vere Beulah.....New York City
Lee, Olga.....New York City
Leerburger, Berenice.....New York City
Levy, Jessie.....New York City
Levy, Sadie Ethel (Mrs. S. E. Levy).....New York City
Logan, Una.....Yonkers Park, N. Y.
McKeown, Matilda J.....New York City
McLean, Myra.....Detroit, Mich.
MacDonald, Evelyn Blunt.....New York City
Marshall, Mary Osborne.....New York City
Messenger, Henriette Searing.....Dover, N. J.
Miller, Eunice Hotaling.....New York City
Murch, Hortense Dean.....Glen Ridge, N. J.
Newbold, Helen.....New York City
Nyitray, Ethel.....New York City
O'Brien, Josephine Gertrude.....New York City
O'Gorman, Ellen.....New York City
Oppenheim, Ella.....New York City
Patten, Portia.....New York City
Phillips, Edna.....New York City
Phillips, Helen Sarah.....New York City
Quinby, Mary Gladys.....Orange, N. J.
Rich, Nellie Edna.....Mount Vernon, N. Y.
Richardson, Adelaide Agnes.....New York City
Rilke, Olga Emma.....New York City
Riordon, Antoinette.....New York City

Robinson, Elizabeth Devereaux.....New York City
Roe, Olive Leah.....New York City
Rome, Sara.....New York City
Rosenfelder, Fannie.....Louisville, Ky.
Samek, Blanche.....New York City
Sapinsky, Bertha.....New Albany, Ind.
Scales, Edna Rebecca.....Jersey City, N. J.
Scheuer, Helen Gertrude.....New York City
Schlesinger, Mildred Deshon.....Yonkers, N. Y.
Shale, Byrde Belle.....New York City
Silbernagel, Lillian.....New York City
Sillcox, Cecelia Minna.....New York City
Smith, Elsie.....Mount Vernon, N. Y.
Smithers, Adelaide Ellen.....New York City
Smithers, Herlinda Genevieve.....New York City
Stark, May Belle.....East Orange, N. J.
Stearn, Mabel Frieda.....New York City
Stowell, Ruth Kate.....Binghamton, N. Y.
Swenson, Mary Elizabeth.....New York City
Talpey, Edith May.....New York City
Thompson, Lucy Irene.....New York City
Turnbull, Laura Shearer.....Tuckahoe, N. Y.
Underwood, Anna.....Belleville, N. J.
Ver Planck, Georgia Anna.....White Plains, N. Y.
Westaway, Lois Bessie.....New York City
Weston, Ethel Genevieve.....New York City
Wilson, Marian.....Newark, N. J.
Wood, Hilda.....New York City
Woodhull, Mildred.....New York City
Wyeth, Florence.....New York City
Zangler, Elizabeth Cathryn.....Croton-on-Hudson, N. Y.

Juniors—Class of 1909.....115

SOPHOMORES—CLASS OF 1910

Candidates for the A.B. Degree

Aiguier, Helen Louise.....Newark, N. J.
Alexander, Lee Frances.....New York City
Anderson, Lillian Sophie.....New York City
Armstrong, Maud Elizabeth.....New York City
Auerbach, Clarice.....New York City
Bailey, Mary Witter.....New York City
Barrows, Tessie.....New York City
Black, Florence Atwood.....New York City
Bohan, Lena.....Plainfield, N. J.
Bonfils, Gladys Alden.....New York City
Burger, Frances.....New York City
Childs, Ruth.....New York City
Cooper, Clara Romaine.....Somerville, N. J.
Cowen, Elfrida Dora.....New York City
Crosby, Clarita Frances.....New York City
Crossman, Helen Louise.....New York City
Dean, Hetty Anna.....Little Silver, N. J.
Debouy, Cecile Catherine.....New York City
Downs, Mildred.....Jersey City, N. J.
Eddy, Elise Savoye.....Bayonne, N. J.
Eggleston, Margery Katherine.....New York City

EGLESTON, LILIAN HILLYER.....Elizabeth, N. J.
EMERY, MAUDE EMMA.....Newark, N. J.
ENK, FLORENCE FRANCES.....Somerville, N. J.
FANCHER, EDNA MARGARET.....New York City
FIREBAUGH, BERTHA HARRIET.....New York City
FLEMING, CARRIE ORR.....New York City
FLINT, MARIE LOUISE.....New York City
FOX, HARRIET RUTH.....New York City
FRAME, RACHEL MOORE.....Mount Vernon, N. Y.
FRANKE, GRETCHEN MALVINA.....Bound Brook, N. J.
GIBSON, MARION LATHROP.....New York City
HAMBURGER, NANNETTE FRANCES.....New York City
HELLER, EDNA.....New York City
HENDERSON, GRACE.....West Chester, N. Y.
HERRMANN, MAY THERESE.....New York City
HILL, ANTOINETTE DYETT.....Netherwood, N. J.
HOLZMAN, BESSIE.....New York City
HOPEWELL, FLORENCE ISABEL.....New York City
HOPEWELL, STELLA LOUISE.....New York City
HOYT, HELEN SARAH.....Nutley, N. J.
HUNTER, GERTRUDE LAURA.....Plainfield, N. J.
HUNTINGTON, ANNE ELDERKIN.....Scarsdale, N. Y.
IVIMEY, MURIEL RHODA.....New York City
JACQUES, MARY VOORHEES.....Elizabeth, N. J.
KIRCHWEY, DOROTHY BROWNING.....New York City
LAWRENCE, ETHEL ELIZABETH.....New York City
LEWIS, CLARA ALICE.....New York City
LOEHRSEN, ADELAIDE.....New York City
LONG, DORIS.....New York City
MCCANN, MABEL DOROTHY.....New York City
MCPHERSON, HELEN.....New York City
MACMURRAY, CHRISTELLA FRANCES.....Nyack, N. Y.
MAISON, ELLEN NARR.....Rutherford, N. J.
MANDEL, LENA.....New York City
MARTIN, ELAINE.....Lebanon, Tenn.
MARTIN, ELEANOR MARION.....Perth Amboy, N. J.
MEIER, GRACE EDITH.....New York City
MONTESER, MARION JULIA.....Yonkers, N. Y.
MOSES, ROSE.....New York City
NAMMACK, MARY.....New York City
NITCHIE, ELIZABETH.....New York City
NOTTINGHAM, JESSIE RAY.....Portland, Ore.
O'DONNELL, AGNES TERESA.....New York City
O'DONNELL, MARGARET MARY ALACOQUE.....New York City
PALLISER, MABEL BIRD.....New York City
PALMER, EDNA ADELINE.....New York City
PLAUT, ELSIE.....New York City
PLATT, ROSETTA F.....New York City
RAWCLIFFE, ELIZABETH.....New York City
READ, FLORENCE WALLACE.....New York City
REEDER, GRACE AMELIA.....Hastings-on-Hudson, N. Y.
REILLY, DOROTHY CECILIA.....New York City
RENTON, MARGARET.....New York City
ROSE, FLORENCE ESTELLE.....Hackensack, N. J.
SAVITZ, HELEN ELIZABETH.....Westfield, N. J.
SEGUINE, EDITH CHRISTINE.....New York City
SHAW, AGNES GARDNER.....Rockland, Lake, N. Y.

Shaw, Ethel Lord.....New York City
Silverman, Sulamith.....New York City
Spalding, Leone Florence.....New Rochelle, N. Y.
Stimson, Maude Beulah.....New York City
Thompson, Olive.....New York City
Wagner, Julia Anna.....New York City
Wayt, Hazel Irene.....New York City
Weinstein, Marion.....Waterbury, Conn.
West, Julia Ray.....New York City
Wiesner, Alma.....Mamaroneck, N. Y.
Wylie, Jennie Dwight.....New York City

Candidate for the B.S. Degree

Schwarte, Johanna Julia.....Saratoga Springs, N. Y.

Candidate for transfer at the end of two years to the professional schools of the University.

Woodhull, Hazel.....New York City

Sophomores—Class of 1910.....91

FRESHMEN—CLASS OF 1911

Candidates for the A.B. Degree

Allen, Edith Louise.....New York City
Bennett, Alice Laura.....Georgetown, Conn.
Bishop, Fanny Aurill.....New York City
Bloch, Stella.....New York City
Bogert, Madeleine.....New York City
Bosch, Josephine Adele.....New York City
Brown, Helen.....Boonton, N. J.
Brown, Juanita.....New York City
Bruning, Emilie Elizabeth Margaret.....New York City
Burke, Agnes Madeline.....Morristown, N. J.
Burne, Eleanor.....New York City
Burns, Edith Crowell.....New York City
Burns, Ruth A.....Port Chester, N. Y.
Callan, Anna May.....New York City
Carroll, Ruth.....Warwick, N. Y.
Cassel, Therese.....New York City
Clement, Amelia Aurelie.....New York City
Conroy, Mary Sylvester.....New York City
Coombs, Helen Copeland.....Yonkers, N. Y.
Crandell, Helen Hopkins.....Hempstead, N. Y.
Currier, Harriet Joy.....Brewer, Me.
Deacon, Edith May.....New York City
Denike, Agnes May.....New York City
Dieterich, Daphne Dame.....New York City
Dodge, Mildred.....New York City
Druding, Marguerite Dorothy Cecelia.....New York City
Duncan, Adele.....New York City
Dwyer, Dorothy T.....New York City
Eaton, Levanchia Vibbard.....Dansville, N. Y.
Elder, Mabel Frances.....New York City
Ellisson, Estelle James.....New York City
English, Elizabeth.....Goshen, N. Y.
Fox, Jessie Douglas.....Yonkers, N. Y.
Fueslein, Vera Amanda.....New York City
Gay, Katharine.....New York City

GERSTEIN, ROSE ..... New York City
GIRDNER, PENELOPE MORGAN ..... New York City
GLEASON, ELSIE ..... New York City
GREENAWALT, LOUISE DE FOREST ..... Red Bank, N. J.
GREIFF, LOTTIE JUNE ..... New York City
HAITHWAITE, CHARLOTTE ..... New York City
HAKES, RUTH JOHNSTON ..... Ilion, N. Y.
HANLEY, KATHLEEN VERONICA ..... New York City
HARDER, ELFRIDA ..... Philadelphia, Pa.
HART, MARGARET TOWER ..... New York City
HAYS, BESSIE ROSA ..... New York City
HEIDEN, IRMA FANNY ..... New York City
HENRY, DOROTHY ..... Yonkers, N. Y.
HERRMANN, ANNA LOUISE ..... New York City
HILL, ALICE TAYLOR ..... New York City
HIRSH, MADELEINE ..... New York City
HOLZWASSER, FLORRIE ..... New York City
IHLSENG, OLGA KATHRYN ..... New York City
JACKSON, VIOLETTA ..... New York City
JOHNSON, LOUIE ESTELLE ..... New York City
JOHNSTON, MARJORIE ARMSTRONG ..... New York City
KEMPTON, ETHEL MAY ..... Yonkers, N. Y.
KING, OLIVE JOSEPHINE ..... New York City
KRONBERG, KATHERINE JEANETTE ..... White Plains, N. Y.
KUGLER, ANNA AUGUSTA ..... New York City
LEVERIDGE, ETHEL SYLVIA ..... New York City
LOVELL, GRACE GREENE ..... New York City
MCCLENEHAN, EDITH MARTHA ..... New York City
MCGRATH, JOSEPHINE ..... Livingston Manor, N. Y.
MCKEEVER, EDNA JOSEPHINE ..... New York City
MAHON, DOROTHEA HELEN ..... New York City
MAYER, THERESA ..... New York City
MESSING, MILDRED KATHERINE ..... New York City
MINOR, SUSAN BROWN ..... Freehold, N. J.
MORDECAI, EVA CECILE ..... New York City
MORGENSTERN, ADDIE FREDERICKA ..... New York City
OBERNDORFER, MARIAN ..... New York City
OCKERS, LOUISE ELIZABETH ..... Oakdale, N. Y.
O'GORMAN, ALICE MARGARET ..... New York City
PLUMMER, MARGUERITE ..... New York City
POLHEMUS, MARY BARTOW ..... New York City
PORTER, HELEN MAUD ..... Yonkers, N. Y.
PROCHAZKA, OTTILIE ..... New York City
RANDOLPH, FRANCES MAUDE FITZ ..... New York City
REID, MABEL JEAN ..... New York City
REYNAR, MARGUERITE WOOTON ..... Boonton, N. J.
RUNYON, HELEN DE MOTT ..... West Summit, N. J.
SALMOWITZ, ROSE L. ..... New York City
SANBORN, MILDRED LOUISE ..... New York City
SANDFORD, GEORGINA ..... Dansville, N. Y.
SAUL, GERTRUDE ELIZABETH ..... New York City
SCHOEDLER, LILLIAN HELEN ..... New York City
SEVESO, ANGELINA ..... New York City
SHAW, GRACE MARGARET ..... White Plains, N. Y.
SHAW, MARY BRAMAN ..... New York City
SHWITZER, MYRTLE ..... New York City
SICKELS, KATHERINE HAMILTON ..... New York City

Sidell, Ruth Hillard.....Somerville, N. J.
Slawter, Rose Derrickson.....Mount Vernon, N. Y.
Sonn, Claudia Helen.....New York City
Stagen, Ruth Madeline.....New York City
Stapff, Hetta.....New York City
Steinecke, Jeannette Amelia.....New York City
Stewart, Camilla.....New York City
Stewart, Natalie.....New York City
Stryker, Laura MacElwain.....White Plains, N. Y.
Thompson, Elizabeth.....New York City
Thorne, Elizabeth Frances.....Nyack, N. Y.
Thorne, Nathalie.....New York City
Tiemann, Kate Huntington.....New York City
Van Anda, Julia Blanche.....New York City
Van Buskirk, Annie Schmelzel.....New York City
Vose, Jeanette Churchill.....New York City
Wadelton, Neda Ludmilla.....Bronxville, N. Y.
Waite, Etta Adelaide.....River Edge, N. J.
Watson, Genevieve Lindsay.....New York City
Weil, Amy.....New York City
Weymann, Linda C.....New York City
Willets, Geraldine.....White Plains, N. Y.
Wilson, Mary Badger.....Washington, D. C.
Wise, Helene Benedict.....New York City
Worrall, Helen Darlington.....New York City

Candidates for the B.S. Degree

Dunnet, Elizabeth Vyse.....New York City
Joiner, Flora Isabel.....Polo, Ill.
Leo, Juliette.....Buffalo, N. Y.

Freshmen—Class of 1911.....120

SPECIAL STUDENTS, MATRICULATED

Bailey, Margaret Hart.....New York City
Bamberger, Alice Clara Judith.....New York City
Borland, Madeline.....New York City
Closson, Lilian Wadsworth.....Orange, N. J.
Cowen, Mabel Irene.....New York City
Fenton, Harriet Paullin.....Wollaston, Mass.
Gardiner, Cara Leslie.....New York City
Gruenstein, Fannie.....New York City
Hardwick, Margaret.....Cleveland, Tenn.
Heimann, Edith.....New York City
Hodge, Charlotte Morse.....New York City
Holmgren, Amanda.....Brigham, Utah.
Kaufmann, Helen Loeb (Mrs. Mortimer J. Kaufmann).....New York City
Large, Daisy Louise.....Mechanicsville, N. Y.
Lee, Eugenia Converse.....Stafford Springs, Conn.
Levy, Herma Carrie.....New York City
Milholland, Vida.....Wadhams Mills, N. Y.
Pennell, Mabel Louise.....Fremont, O.
Pollak, Wilma Vera.....New York City
Smith, Dean Florence.....Savannah, Ga.
Stanton, Priscilla Dixon.....Roslyn, N. Y.
Tiffany, Julia de Forest.....New York City
Tiffany, Louise Comfort.....New York City
Tredwell, Elizabeth Alden Seabury.....New York City

Matriculated Special Students.....24

NON-MATRICULATED

ALEXANDER, HARRIET ..... New York City
FLEISCHMANN, CONSTANCE MANN ..... New York City
STEWART, AGNES CORNELIA (Mrs. A. C. Stewart) ..... New York City
THOMSON, EDITH SYDNOR ..... Atlanta, Ga.
WHITNEY, DOROTHY ..... Westbury, L. I.

Non-matriculated Special Students 5

SUMMARY

Seniors—Class of 1908:		
Candidates for Barnard College A.B. degree alone	58	
Candidates for Barnard College A.B. degree and Teachers College Diploma in Education	13	71
Juniors—Class of 1909		115
Sophomores—Class of 1910:		
Candidates for the A.B. degree	89	
Candidates for the B.S. degree	1	
Students in General Two-Year Course	1	91
Freshmen—Class of 1911:		
Candidates for the A.B. degree	117	
Candidates for the B.S. degree	3	120
		397
Special Students:		
Matriculated	24	
Non-matriculated	5	29
		426
University Students		28
Teachers College Students		148
Total		602

Eight students who matriculated in Barnard College during the Summer session of 1907 did not register for the first half of the Academic year 1907–8.

TEACHERS COLLEGE

TRUSTEES

V. Everit Macy, *Chairman*
Newbold Morris, *Secretary*
Miss Grace H. Dodge, *Treasurer*

Spencer Trask
William F. Bridge
Peter B. Olney
B. Talbot B. Hyde
Joseph Milbank
Seth Low, LL.D.
James Speyer
Archer M. Huntington, L.H.D.
James E. Russell, LL.D.
Mrs. Frederick F. Thompson
Nicholas Murray Butler, LL.D. (Cantab.), Litt.D. (Oxon.)
Robert C. Ogden, LL.D.
Walter H. Page, LL.D.
Howard Van Sinderen
Frank R. Chambers
Mrs. George W. Jenkins
Arthur Iselin

Officers of the Faculty

James Earl Russell, Ph.D., LL.D.... *Dean and ex-officio Member of the University Council*
Clyde Furst, A.M.....*Secretary*
Gonzalez Lodge, LL.D.. . *Elected Delegate to the University Council*

The Faculty

Nicholas Murray Butler, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.) *President*
John Francis Woodhull, Ph.D.....*Professor of Physical Science*
J. McKeen Cattell, Ph.D., LL.D.....*Professor of Psychology*
Adolphe Cohn, LL.B., A.M..*Professor of the Romance Languages and Literatures*
Franklin Thomas Baker, A.M..*Professor of the English Language and Literature*
Virgil Prettyman, A.M., Pd.D.....*Principal of the Horace Mann High School*
Richard Elwood Dodge, A.M.....*Professor of Geography*
Charles Earl Bikle, A.M.....*Adjunct Professor of Mathematics*
James Earl Russell, Ph.D., LL.D..*Barnard Professor of Education*
Helen Kinne.....*Professor of Domestic Science*
Mary Schenck Woolman.....*Professor of Domestic Art*
[1]Frank Morton McMurry, Ph.D..*Professor of Elementary Education*
Charles Russell Richards, B.S. *Macy Professor of Manual Training*
[1]Paul Monroe, Ph.D.....*Professor of the History of Education*

[1] Absent on leave.

SAMUEL TRAIN DUTTON, A.M. . . . *Professor of School Administration*
GONZALEZ LODGE, Ph.D., LL.D. . . . . *Professor of Latin and Greek*
EDWARD LEE THORNDIKE, Ph.D. . *Professor of Educational Psychology*
[1]CHARLES HUBERT FARNSWORTH . . . . . *Adjunct Professor of Music*
[1]DAVID EUGENE SMITH, Ph.D., LL.D. . . . . *Professor of Mathematics*
THOMAS DENISON WOOD, A.M., M.D. . *Professor of Physical Education*
FREDERICK J. E. WOODBRIDGE, A.M., LL.D. . *Johnsonian Professor of Philosophy*
JULIUS SACHS, Ph.D. . . . . *Professor of Secondary Education*
CLYDE FURST, A.M. . . . . *Secretary of the Faculty*
GEORGE L. MEYLAN, M.D. . . . *Adjunct Professor of Physical Education*
ELIJAH WILLIAM BAGSTER-COLLINS, A.M. . *Adjunct Professor of German*
MAURICE ALPHEUS BIGELOW, Ph.D. . . . . *Professor of Biology*
FREDERICK HENRY SYKES, Ph.D. . . . . *Director of Extension Teaching and Professor in Teachers College*
HENRY CARR PEARSON, A.B. . *Principal of the Horace Mann Elementary School*
HERMANN T. VULTÉ, Ph.D. . . . . *Adjunct Professor of Domestic Science*
JOHN ANGUS MACVANNEL, Ph.D. . . . . *Professor of the Philosophy of Education*
ARTHUR WESLEY DOW. . . . . *Professor of Fine Arts*
JOHN DEWEY, Ph.D., LL.D. . . . . *Professor of Philosophy*
HENRY CLAPP SHERMAN, Ph.D. . . . . *Professor of Organic Analysis*
HENRY JOHNSON, A.M. . . . . *Professor of History*
DAVID SAMUEL SNEDDEN, A.M. . . . . *Adjunct Professor of Educational Administration*
MARY ADELAIDE NUTTING . . . . . *Professor of Domestic Administration*
GEORGE D. STRAYER, Ph.D. . *Adjunct Professor of Elementary Education*
HENRY SUZZALLO, Ph.D. . . . *Adjunct Professor of Elementary Education*

Other Officers of Instruction

CHARLES PRENTICE BENNS, M.E. . . . . *Instructor in Machine Work*
CHARLES CONRAD SLEFFEL. . . . . *Instructor in Forging*
CHARLES WILLIAM WEICK, B.S. . . . . *Instructor in Wood-Working*
MAUD MARCH. . . . . *Instructor in Physical Education*
WILLIAM H. NOYES, A.M. . . . . *Instructor in Manual Training*
NAOMI NORSWORTHY, Ph.D. . . . . *Instructor in Educational Psychology*
MARY BACKUS HYDE. . . . . *Instructor in Manual Training*
WILLIAM MCCASTLINE, M.D. . . . . *Instructor in Physical Education*
CAROLINE CRAWFORD. . . . . *Instructor in Physical Education*
PATTY SMITH HILL. . . . . *Instructor in Kindergarten Education*
KATE MCMAHON. . . . . *Principal of Kindergarten*
CLARA BARBARA KIRCHWEY. . . . . *Instructor in Geography*
GRACE CORNELL. . . . . *Instructor in Fine Arts*
MAY BELLE VAN ARSDALE, B.S. . . . . *Instructor in Physical Science*

[1]Absent on leave.

EDGAR FAUVER, A.B.....*Instructor in Physical Education*
WILLIAM SKARSTROM, M.D.....*Instructor in Physical Education*
HARRIET WILDE.....*Instructor in Physical Education*
ELIZABETH SAGE.....*Instructor in Domestic Art*
ANNA M. COOLEY, B.S.....*Instructor in Domestic Art*
GRACE FULMER.....*Instructor in Kindergarten Education*
JEAN BROADHURST, B.S.....*Instructor in Biology*
ANNA BARROWS.....*Instructor in Domestic Science*
CHARLES F. MARPLE.....*Instructor in Fine Arts*
LAMONT WARNER.....*Instructor in Household Art*
WYLLYSTINE GOODSELL, B.S....*Instructor in the History of Education*
CLIFFORD UPTON, A.B.....*Instructor in Mathematics*
AZUBAH JULIA LATHAM, A.B.....*Lecturer in Voice Culture*
LOUISE CHRISTINE SUTHERLAND.....*Tutor in Kindergarten*
FRANCES ELBERTINE MCRAE, B.S.....*Tutor in Physical Science*
MARGARET MAUD ZERBE.....*Tutor in Music*
ELIZA BENTON, Ph.B.....*Tutor in Domestic Science*
EDWARD J. THATCHER, B.S.....*Tutor in Manual Training*
DORA BEATRICE BROWN.....*Tutor in Physical Education*
JEANNETTE ROWLAND SEIBERT, A.M.....*Tutor in Physical Education*
CLARA WHEELER.....*Tutor in Primary Methods*
ALETTA VAN WYCK SCHENCK.....*Assistant in Domestic Art*
MATILDA GARRETSON REA.....*Assistant in Domestic Art*
MARY THEODORA WHITLEY.....*Assistant in Educational Psychology*
ANNA PAMELA BROOKS.....*Assistant in Fine Arts*
ROMIETT STEVENS.....*Assistant in Secondary Education*
MARY DAVIS SWARTZ, B.S.....*Assistant in Domestic Science*
CAROLINE STACKPOLE, B.S.....*Assistant in Biology*
WILLIAM HENRY BOYNTON.....*Assistant in Household Chemistry*
GRACE MARIE DASCHBACH.....*Assistant in Music*
MARY BULL HANCKEL.....*Assistant in Fine Arts*

Lecturers

RICHARD MORSE HODGE, D.D.....*Lecturer in Biblical Literature*
SUSAN E. BLOW.....*Lecturer in Kindergarten Education*
ELLEN HENRIETTA RICHARDS, A.M.....*Lecturer in Domestic Science*
MARION B. B. LANGZETTEL.....*Lecturer in Kindergarten Education*
GEORGE PHILIP KRAPP, Ph.D.....*Lecturer in English*
MARY ELIZABETH FISKE.....*Lecturer in Domestic Art*

Officers of Administration

FREDERICK A. GOETZE, M.Sc.,
Consulting Engineer

LUCETTA DANIELL,
Directress

JAMES H. CANFIELD, LL.D., Litt.D. (Oxon.),
Librarian of the University
ELIZABETH G. BALDWIN,
Librarian in Charge of Bryson Library
RUDOLF TOMBO, Jr., Ph.D.,
Registrar of the University
THEODORA GEORGE,
Assistant Registrar, Teachers College
ISABELLE L. PRATT,
Recorder
CYRUS H. POMEROY,
Bursar
HARRIET HAWLEY,
Secretary to the Dean
JANE BERGER,
Assistant Secretary
ELIZABETH B. O'NEIL, A.M.,
Secretary of the Publication Bureau

TEACHERS COLLEGE SCHOOLS

Officers of Administration

JAMES E. RUSSELL, Ph.D., LL.D., *Dean*
SAMUEL T. DUTTON, A.M., *Superintendent*

Horace Mann Schools

VIRGIL PRETTYMAN, Pd.D.....*Principal of High School*
HENRY CARR PEARSON, A.B.....*Principal of Elementary School*
KATE MCMAHON.....*Principal of Kindergarten*
MARION ROOT PRATT.....*Executive Secretary*
ELIZABETH IVERSON TOMS.....*School Secretary*
BERTHA WARNER SEELEY.....*Secretary to Principal of High School*
CORA MAY GEER.....*Secretary to Principal of Elementary School*
VALERIA INEZ MERRILL.....*Custodian of Library*

Instructors and Assistants in Horace Mann Schools

ALLAN ABBOTT, A.B.....*English*
MARY PERLE ANDERSON, B.S.....*Biology*
KATE STUART ANTHONY.....*Domestic Art*
WALTER WHIPPLE ARNOLD, A.M.....*Latin*
CHARLES MCCOY BAKER, A.M.....*Latin*
HELEN BARTLETT BAKER, A.B.....*English*
CHARLES PRENTICE BENNS, M.E.....*Machine Work*
CHARLES EARLE BIKLÉ, M.A.....*Mathematics*

Frank Elbert Brooks, A.B. ..... *French*
Mrs. Marie Karcher Brooks ..... *French*
Elizabeth Rhees Butler, A.B. ..... *History*
Mary Edwards Calhoun, M.A. ..... *English and History*
Otho Grandford Cartwright, M.A. ..... *History*
Mary Denison Chesbrough ..... *Physical Training*
Mme. Cécile Freese ..... *French*
Arthur Tapley French, B.S. ..... *Mathematics*
Henry Rozalvin Gardner, A.M. ..... *Latin and Greek*
Harriet Garton ..... *Music*
Mary Brownson Gilmore, Ph.B. ..... *History*
William Helmuth Gohdes, A.B. ..... *German*
Cora Olive Goldthwait, A.B. ..... *English*
Fannie Haefelin, B.S. ..... *German*
Edward Franklin Hauch, B.A. ..... *German*
George Thomas Holm ..... *Swimming*
Alexander James Inglis, A.B. ..... *Latin*
Clara Barbara Kirchwey ..... *Geography*
Emma Lenore MacAlarney, B.S. ..... *English*
Egbert Eugene MacNary ..... *Wood-Working*
Eugénie Menut ..... *French*
James Franklin Millis, A.M. ..... *Mathematics*
John Duele Neitz, A.B., M.E. ..... *Special Teacher for Delinquent Pupils*
Lilla Anne Nourse ..... *Drawing*
Albert F. Reed, A.M. ..... *Latin*
William Fox Roantree, A.B. ..... *Mathematics*
J. Thacher Sears, A.B. ..... *Mathematics*
Charles Conrad Sleffel ..... *Forging*
Homer Waldo Spiers, A.B. ..... *Physical Training*
Karl Burwell Ullman, A.B. ..... *Physical Training*
Clifford Brewster Upton, A.B. ..... *Mathematics*
May Belle VanArsdale, B.S. ..... *Chemistry and Physics*
Charles William Weick, B.S. ..... *Wood-Working*
Mrs. Elizabeth Marion Wheelock ..... *Latin*
Laura Brainard Whittemore ..... *Domestic Science*
Roland Hugh Williams, B.S., A.M. ..... *Chemistry and Physics*
Clara Mabel Wheeler ..... *First Grade*
Edith Cornelia Barnum ..... *First Grade*
Evelyn Batchelder ..... *Second Grade*
Mildred Ione Batchelder ..... *Second Grade*
Theo R. Stone ..... *Third Grade*
Della McCurdy ..... *Third Grade*
Ida Elizabeth Robbins ..... *Fourth Grade*
Florence May Marshall ..... *Fourth Grade*
Mary Gertrude Peabody ..... *Fifth Grade*
Lucy Dickson ..... *Fifth Grade*

MAUD VIVIAN KEYES.....*Fifth Grade*
ROY ADELBERT KANE.....*Sixth Grade*
MARY FREDERIKA KIRCHWEY.....*Sixth Grade*
Mrs. SIEGRIED HANSEN UPTON.....*Sixth Grade*
CAROLINE WOODBRIDGE HOTCHKISS.....*Seventh Grade*
LILLIAN EMILY ROGERS.....*Seventh Grade*
GEORGIA FARRAND BACON, B.S.....*Seventh Grade*
ETHELWYN MILLER, A.B., B.S.....*Drawing*
HELEN LATHAM.....*Music*
FANNIE JOSEPHINE HAEFELIN.....*German*
LUCY HESS WEISER.....*Manual Training*
ELIZABETH ROBB FOTHERINGHAM.....*Physical Training*
ELIZABETH CLEASBY.....*Primary Grades*
OLIVE SOPHIA DAY.....*Grammar Assistant*
MARTHA GROSVENOR DAVIS.....*Primary Assistant*
LOUISE CHRISTINE SUTHERLAND.....*Kindergarten Teacher*
JULIA WADE ABBOTT.....*Kindergarten Assistant*

Speyer School

AMY SCHÜSSLER, B.S.....*Principal*
CLARA CHENEY JAMES.....*First Grade. Critic Teacher*
MARGARET A. LEMON.....*Second Grade*
LOUISE PHILLIPS GLANTON, A.B., B.S.....*Third Grade*
MABEL CAROLINE RUSSELL.....*Fourth Grade*
HARRIET STRONG.....*Fifth Grade. Critic Teacher*
ELIZABETH JOHNSON.....*Sixth Grade*
ANNE ELMA WINDLE.....*Seventh Grade*
Mrs. IDA CATHERINE CARTER, L.B., A.M..*Eighth Grade. Critic Teacher*
LUELLA PALMER, B.S.....*Kindergarten Critic*
ELIZABETH YOUNG, B.S.....*Assistant in Kindergarten*
LAURA VALENTINE.....*Secretary and Assistant Librarian*
NELLIE HARCOURT.....*Physical Education*
HELEN LATHAM.....*Music*
EGBERT EUGENE MACNARY.....*Manual Training*
ANNA PAMELA BROOKS, A.B., B.S.....*Art Critic Teacher*
WALTER M. MACKAY, A.B.....*Physical Education*

NEIGHBORHOOD WORK

BAILEY BARTON BURRITT, A.M.....*Director*
Mrs. LULIE WILES ROBBINS.....*Social Worker*
SPENCER MORGAN DAWKINS, A.B.....*Assistant*

GENERAL STATEMENT

Teachers College, founded in 1888, and chartered by the Regents of the University of the State of New York in 1889, became, in 1898, a

part of the educational system of Columbia University. The President of Columbia University is President, *ex-officio*, of Teachers College, and the College is represented in the University Council by its Dean and a representative elected from its Faculty. The College meanwhile maintains its separate corporate organization, and its Board of Trustees continues to assume entire financial responsibility for its maintenance.

Teachers College is thus the professional school of Columbia University for the study of education and the training of teachers, taking academic rank with the Schools of Law, Medicine, and Applied Science. It affords opportunity for the professional training, both theoretical and practical, of teachers of both sexes for secondary, grammar, and primary schools, and kindergartens; of special teachers of such technical subjects as Domestic Art, Domestic Science, Fine Arts, Manual Training, Music, and Physical Education; and the preparation of advanced students for work as principals, supervisors, and superintendents of schools; as heads of academic or educational departments in normal and teachers' training schools, and of educational departments in colleges and universities.

The following curricula are offered by the College:

1. A two-years' Professional Curriculum, leading to the degree of Bachelor of Science in Education and the Bachelor's Diploma in teaching, requiring for entrance the previous completion, at Columbia University or elsewhere, of two years of academic or technical training in advance of the usual requirements for college entrance. The work of the curriculum presents certain fundamental courses in educational psychology and the history and principles of education, a major subject of professional and academic work, in any of the twenty-four departments of the College, and a proportion of elective courses chosen at will.

2. Graduate curricula for advanced students leading to the Master's and Doctor's Diplomas in teaching and to the degrees of Master of Arts and Doctor of Philosophy with a major subject in Education. Such curricula provide work in Educational Psychology, the History and Philosophy of Education, Educational Administration, Secondary Education, Elementary Education, and in research in the methods of teaching the various academic and technical subjects, supplemented by courses in other parts of the University. Courses in education may also be counted as minor subjects toward the advanced degrees, by students primarily registered in some other part of the University.

The professional curriculum is so arranged that undergraduate students of Columbia College and of Barnard College, and students who are prepared to enter the junior class of either of these colleges, may, if they desire, obtain the diploma of Teachers College at the time of receiving their degree of Bachelor of Arts.

Teachers who wish to supplement previous professional training are

entered into these curricula with advanced standing, or into courses grouped especially for their needs.

The Horace Mann School and the Speyer School, maintained by Teachers College as schools of observation and experiment, include kindergarten, elementary, and secondary classes and neighborhood work, and offer exceptional advantages for the study of the practical work of teaching and for the investigation of educational problems. These schools have now an attendance of some thirteen hundred pupils.

Buildings and Equipment

The buildings of Teachers College occupy the block directly north of the University Campus, bounded by 120th and 121st Streets, Amsterdam Avenue and Broadway.

The Main Building, containing, in addition to its equipment for administration and instruction, the Bryson Library—the educational library of the University—and the Educational Museum, is adjoined by the Milbank Memorial Building, housing a number of academic and technical departments and containing the Memorial Chapel; and by the Macy Manual Arts Building, with its exceptional equipment for the departments of Manual Training, Domestic Art, and Fine Arts. The Frederick Ferris Thompson Memorial Building for the department of Physical Education connects the Milbank Building on the west with the building of the Horace Mann School. The Domestic Economy Building, now being erected, will join the Main Building on the east. The building of the James Speyer School is a short distance north of the College, on Lawrence Street, near Amsterdam Avenue. Whittier Hall, the residence for the women students of the University, is under the control of Teachers College. The equipment of the College, including Whittier Hall, represents an investment of approximately four million dollars.

Scholarships, Prizes, and Honors

(see page 413)

REGISTER OF STUDENTS, 1907-08

Teachers College

Graduate Students

Candidates for the Doctor's Degree and Diploma

The following students are registered also under the Faculty of Philosophy:

ABBOTT, FREDERICK BANCROFT..... Providence, R. I.
A.M. 1904, B. Sc. Emporia 1900
Education, Mechanical Engineering, Philosophy

ANDRON, ISRAEL, A.B. C. C. N. Y. 1904, A.M. N. Y. U. 1907.....Brooklyn, N. Y.
Education

ARAI, TSURU..... Ichinomiya Gumma, Japan
Equivalent A.B. Japanese Woman's College 1907
Education, Psychology

BALDWIN, ARTHUR POND, A.M. 1902, A.B. C. C. N. Y. 1876.....New York City
Education, Sociology

BARD, HARRY ERWIN ..... New York City
A.M. 1907, A.B. Wabash 1894 and A.M. 1898
Education, Social Economy

BARNES, ARTHUR ELIJAH, Ph.B. Union 1895 and A.M. 1898.....Freeport, N. Y.
Education

BROWN, JOHN SMITH, JR., Ph.B. Brown 1900.....New York City
Education

BURRITT, BAILEY BARTON, A.M. 1903, A.B. Rochester 1902..... Le Roy, N. Y.
Education, Philosophy, Social Science

CASHMAN, JOSEPH FRANCIS, A.B. Adelphi 1905 .....Brooklyn, N. Y.
Education, English

COLWELL, RACHEL HARTSHORNE, A.M. 1905, B.S. Dennison U. 1903....Granville, Ohio
Education, Chemistry, Biology, Domestic Science

CORT, AMBROSE, A.B. Franklin and Marshall 1892 and A.M. 1897....New York City
Education

DRIEHAUS, IRWIN WILLIAM, B.S. Cincinnati 1900.....Cincinnati, Ohio
Education, Physics

EATMAN, DARIUS, A.M. 1902, A.B. North Carolina 1897..... Oxford, N. C.
Education, English

FITZPATRICK, EDWARD AUGUSTUS, B.S. 1906, A.M. 1907..... New York City
Education, Psychology

GILTNER, EMMETT E., A.M. 1907, A.B. Ind. 1904..... Oaktown, Ind.
Education

GOLDRICH, LEON W..... Brooklyn, N. Y.
B.S. C. C. N. Y. 1894, LL.B. N. Y. U. 1897 and Pd. M. 1900
Education

HANEY, JOHN DEARLING..... New York City
B.S. C. C. N. Y. 1893, A.M. and LL.B. N. Y. U. 1898
Education, English

HEWINS, NELLIE PRISCILLA, A.M. 1900, B.S. Cornell 1898.....Elmhurst, L.I.
Education, Botany

HILL, LAWRENCE BENJAMIN A.B. W. Va., 1906, A.M. Nebraska 1907..McKinn, W. Va.
Education, Psychology

HIRDANSKY, SIMON, A.M. 1906, B.S. C. C. N. Y. 1899.....New York City
Education, Psychology

HUNTINGTON, SUSAN DICKINSON, A.B. Wellesley 1900.....Norwich, Conn.
Education, Spanish

JACKSON, GEORGE LEROY, A.M. 1907, A.B. Michigan 1906.....New York City
Education, Psychology

LEE, JOSEPH BOLLING, A.M. 1906, A.B. C. C. N. Y. 1904 .....New York City
Education, Psychology

MCGILL, FRANKLIN CLARK .....Claysville, Pa.
A.B. Jefferson and Washington, 1897 and A.M. 1900
Education, Psychology

MANNY, FRANK ADDISON, A.B. Michigan 1893,and A.M. 1896.....New York City
Education, Philosophy

MEYER, HENRY HERMAN..... New York City
A.B. German Wallace 1900, and A.M. 1903, B.D. Drew Theological 1903
Education, Psychology

NICHOLSON, ANNE M, A.B. Leland Stanford Jr., 1904.....San Jose, Cal.
Education, Philosophy

PATTERSON, SAMUEL WHITE.....New York City
A.B. C. C. N. Y. 1903, A.M. N. Y. U. 1906
Education, English

PAUL, FRANCIS HUGH JOSEPH ..... Long Island City
A.B. C. C. N. Y. 1897, Pd.M. N. Y. U. 1902 and Pd. D. 1903
Education

RABENORT, WILLIAM LOUIS, B.S. 1906, A.M. 1907.....New York City
Education, Philosophy

REJALL, ALFRED ERNST, A.B. 1906, A.M. 1907.....Brooklyn, N. Y.
Education, German, Psychology

RIPPERE, ROBERT HENRY, A.B. Wesleyan 1905.....Williamsbridge, N. Y.
Education

ROBERTS, JOHN STACEY, ...New York City
B.S. C. C. N. Y. 1895, Pd. M. N. Y. U. 1902 and A.M. 1903....New York City
Education

ROBISON, CLARENCE HALL, A.B. Northwestern 1895 and A.M. 1897 ....Piqua, Ohio
Education, Zoölogy, Botany

RUSSELL, WARREN LOCKE, A.B. Harvard 1904 and A.M. 1905.....Arlington, Mass.
Education

SILBERSTEIN, NATHAN, A.B. 1905 and A.M. 1906.....New York City
Education

SIMPSON, BENJAMIN ROY, A.B. McMaster 1899.....South End, Ontario
Education, Psychology

SNYDER, EDWIN REAGAN, A.B. Leland Stanford Jr. 1905.....San Jose, Cal.
Education, Sociology

STARK, WILLIAM EVERETT, A.B. Harvard 1895, A.M. 1901..... Yonkers, N. Y.
Education

STONE, CLIFF WINFIELD, B.S. 1904.....Oshkosh, Wis.
Education, Philosophy

SUTCLIFFE, ALLEN BEEKMAN, A.B. Trinity 1906 and A.M. 1907.... Poughkeepsie, N. Y.
Education, Sociology

VANCE, RUFUS ADAIR, A.M. 1902, A.B. Missouri Valley 1893.....New York City
Education

WHARTON, WILLIAM PARKER, A.B. 1902 and A.M. 1906.....Morrisdale, Pa.
Education, English

WHITIN, ERNEST STAGG, A.B. 1904.....New York City
Education, Social Economy

WHITNEY, WILLIAM T. ..... New York City
B.S. N. Y. U. 1901, A.M. 1902, Pd. M. 1903, Pd. D. 1904
Education

Candidates for Master's Degree and Diploma

The following students are registered also under the Faculty of Philosophy:

ADAMSON, ETHELWYNNE MARY, A.B. Smith 1906 ..... Glens Falls, N. Y.
Education, Domestic Science

AGNEW, THOMAS, JR., B.S. 1907 ..... Bloomfield, N. J.
Education, Economics

ANDERSON, WILLIAM CARL ROBERTSON, A.B. New Brunswick 1906 .... Penobsquis, Can.
Education, Psychology

ANDREWS, MRS. ELIZABETH RUSSELL, A.B. Cornell, 1901 ..... New York City
Education

ARNOLD, FREDERICK C., B.S. C. C. N. Y. 1905 ..... New York City
Education, Physical Science

ASKER, LAURA, A.B. Det Kongelige Frederiks Universitet 1899 .. Asker Station, Norway
Education, Mathematics

AUGSBURY, EARL STONE, A.B. Hamilton, 1901 ..... New York City
Education

AUSLANDER, ARMIN, A.B. C. C. N. Y. 1902 ..... New York City
Education, Physical Science

BAIN, ARCHIBALD WATSON, A.M. Glasgow, 1886 ..... Peterhead, Scotland
Education, Psychology

BARNETT, ISADORE IRVING, A.B. C. C. N. Y. 1903 ..... New York City
Education, History

BATCHELOR, CHARLES BRONK, A.B. 1906 ..... New York City
Education

BECKER, FRED JACOB A.B. 1903 ..... Pasadena, Cal.
Education, Latin

BENJAMIN, CLAUDE TOWNE, A.B. Cornell 1896 ..... New York City
Education, Psychology

BENNETT, MAME SEELEY, A.B. Bates 1901 ..... Lubec, Maine
Education

BERGSTEIN, ADOLPH, A.B. C. C. N. Y. 1902 ..... New York City
Education

BIXBY, FLORENCE ADELLE ..... South Haven, Mich.
B.S. Kalamazoo 1901 and Chicago 1903
Education, Mathematics

BLAN, LOUIS BENJAMIN, B.S. C. C. N. Y. 1901 ..... Port Richmond, S. I.
Education, Sociology

BLUHM, JULIUS, A.B. C. C. N. Y. 1899 ..... New York City
Education

BOWDISH, LEWIS F., A.B. 1901 ..... Brooklyn, N. Y.
Education

BROADHURST, RUTH LAVINIA, A.B. Smith 1907 ..... Brooklyn, N. Y.
Education, History

CAMPBELL, MARY ALICE, A.B. Smith, 1905 ..... Jersey City, N. J.
Education, Sociology

CANNON, GERTRUDE LOUISE, A.B. 1907 ..... New York City
Education, Botany

CARRIS, LEWIS HERBERT, B.L. Hobart 1898 ..... Newark, N. J.
Education

CHAMBERLAIN, CAROLINE, A.B. Washington, 1901 ..... St. Louis, Mo.
Education, History

CHRISLIP, ABRAM ELZA, A.B. Nashville, 1901 ..... West Alexander, Pa.
Education, Psychology

CLARK, MARY AUGUSTA, A.B. Mt. Holyoke, 1903.....Bedford, N. Y.
Education, Mathematics

CLOUGH, BERTHA, A.B. 1903.....New York City
Education, Latin

COHEN, ABRAHAM BRODERICK, A.B. 1906.....Brooklyn, N. Y.
Education

COHN, LOUIS BENJAMIN, A.B. C. C. N. Y. 1903.....New York City
Education, Psychology

COLEMAN, JOHN GARTH, Ph.B. Hobart 1901.....Hoboken, N. J.
Education, German

CROOKER, FREDERICK FOSTOR, B.S. C. C. N. Y. 1898.....White Plains, N. Y.
Education, English

CURTISS, EVA ELISE, A.B. Brown 1899.....Bristol, Ct.
Education

CUTTING, FLORA LOUISE, B.S. 1907.....Brooklyn, N. Y.
Education, Mathematics

DOLE, HARVEY PETER, A.B. New Brunswick 1906.....Sussex, N. B., Canada
Education, Psychology

DUFFIELD, EDMUND THOMPSON, A.B. Middlebury 1904.....Whitehall, N. Y.
Education, Sociology

DUROE, VERNON E., A.B. Cornell 1896.....Brooklyn, N. Y.
Education, Latin

EHNES, MORRIS WELLINGTON, A.B. Ohio Wesleyan 1898.....Upper Montclair, N. J.
Education

ELLIOTT, CHARLES HERBERT, B.S. McKendree 1907.....Belleville, Ill.
Education, Psychology

FINEMAN, HAYIM, B.S. Pennsylvania 1907.....New York City
Education, English

FLYNN, OSCAR ROGERS, B. Sc. Ohio 1896.....E. Orange, N. J.
Education

FRANKE, CLARA ELSA, B.S. 1907.....N. Tarrytown, N. Y.
Education, German

GOLD, EMANUEL, A.B. C. C. N. Y. 1906.....New York City
Education

GOLDWASSER, DAVID, A.B. C. C. N. Y. 1903.....New York City
Education

HARRINGTON, GRACE AILEEN, B.S. 1905.....Detroit, Mich.
Education, Psychology

HAYNES, ALICE FENTON, B.S. 1906.....Englewood, N. J.
Education

HELLER, WILLIAM ISADOR, A.B. C. C. N. Y. 1904.....New York City
Education

HESS, WILLIAM LYNDON, B.L. Swarthmore, 1901.....Brooklyn, N. Y.
Education

HOWARD, MARGARETTE ELIZABETH, B. S. 1907.....Summit, N. J.
Education Philosophy

JENNER, WILLIAM A., A.B. Syracuse 1890.....New York City
Education, Latin

JEWELL, ISABELLA EMMA, B.S. 1907.....London, Ontario
Education, Domestic Science, Ethics

JOHNSON, ARTHUR LACEY.....Crawford, N. J.
Education

JOHNSON, LESLIE ABNER, B.S. St. Lawrence 1896.....Gouverneur, N. Y.
Education, Physical Science

JONES, WALLACE FRANKLIN, A.B. Illinois 1907.....Knoxville, Ill.
Education, Psychology

KARR, GRANT, Ph.D. Jena 1899.....New York City
Education

KELLER, FRANKLIN JEFFERSON, B.S., C. C. N. Y. 1906.....New York City
Education, English
KENT, ASA RAYMOND, A.B. Cornell 1903.....Mabel, Minn.
Education
KERR, FRANK E., B.S. N. Y. U. 1896.....Alpine, N. J.
Education
KILPATRICK, WILLIAM HEARD, A.B. Macon 1891.....White Plains, Ga.
Education, Philosophy
KOREY, ABRAHAM J., B.S. N. Y. U. 1906.....Brooklyn, N. Y.
Education
KUHN, ADELINA, A.B. Vassar, 1904.....New York City
Education
LAUDERBURN, FREDERIC CURTISS, A.B. Lehigh 1891.....Worcester Mass.
Education
LEBOWICH, LEO, A.B. C. C. N. Y. 1904.....New York City
Education
LEUCHS, MAXIMILIAN JOHN CHRISTIAN, A.B. C. C. N. Y. 1903.....Bronx, N. Y.
Education, Philosophy
LINDQUIST, HAROLD SILAS, A.B. C. C. N. Y. 1906.....Bronx, N. Y.
Education, Philosophy
LODGE, NELLIE, B.S. Swarthmore 1897.....Philadelphia, Pa.
Education, Zoölogy
LUCEY, MICHAEL HENRY, B.S. 1906.....New York City
Education
LUDWIG, AUGUSTUS, B.S. 1907.....Brooklyn, N. Y.
Education
MCCALL, ROSEMARY, A.B. Vassar 1898, Pd.B. Albany Normal 1899.....Utica, N. Y.
Education, Latin
MCCARTY, STELLA, A.B. Woman's College 1892.....Trenton, N. J.
Education, Philosophy
MCCORMICK, MARY GERTRUDE, A.B. Cornell 1906.....Monticello, N. Y.
Education, Domestic Science
MCDONALD, MILO FRANCIS, A.B. Adelphi 1906.....Brooklyn, N. Y
Education, English
MACGIBBON, ANNA KATHRYN, A.B. Vassar 1904.....Walton, N. Y.
Education
MCGRATH, WILLIAM JOSEPH, A.B. C. C. N. Y. 1905.....New York City
Education
MCLAUGHLIN, PIERINA, A.B. 1907.....New York City
Education, English
MACK, LURA M., A.B. Vassar 1905.....Watertown, N. Y.
Education
MARSHALL, JAMES FRANCIS, A.B. C. C. N. Y. 1903.....Bronx, N. Y.
Education
MASCORD, ELIZABETH FRANCES, B.S. 1907.....Brooklyn, N. Y.
Education, Philosophy
MASSELL, ALEXANDER SASHE, A.B. C. C. N. Y. 1902.....New York City
Education
MATTOON, LAURA ISABELLA, B.S. Wellesley 1894.....Springfield, Mass.
Education
MEEK, CHARLES SIMPSON, A.B. Indiana 1891.....Elwood, Ind.
Education, Psychology
MILLER, WILLIAM AUGUSTINE, B.S. 1907.....Matawan, N. J.
Education
MOON, WARD CLINTON, A.B. Amherst 1905.....Piermont-on-Hudson, N. Y.
Education
NEWMAN, CHARLES AUGUSTINE PAUL, A.B., C. C. N. Y. 1900.....Bronx, N. Y.
Education

OLIVER, JOSEPH WARREN, B.S. 1906.....New York City
Education, Social Economy

PELL, EDITH A., A.B. Wellesley 1900.....Newark, N. J.
Education, Biology

PHIPPS, CHARLES FRANK, B.S. Wesleyan 1906.....Montclair, N. J.
Education

PIERSON, EMILY MILLER, A.B. Vassar 1907.....Cromwell, Conn.
Education, English

POWELL, LEWIS MONTGOMERY, A.B. Wake Forest 1907.....Wake Forest, N. C.
Education, English

POWERS, DELMAR T., A.B. Indiana 1897.....Indianapolis, Ind.
Education, Sociology

PUTNAM, MARY PHELPS, A.B. Minnesota 1902.....Red Wing, Minn.
Education, Chemistry

RAMBO, SUSAN MILLER, A.B. Smith 1905.....Easton, Penn.
Education, Mathematics

RANDOLPH, FREDERIC COZZENS FITZ, A.B. 1907.....New York City
Education

REYNOLDS, VIRGINIA, B.S. 1907.....Warren, R. I.
Education

RICHARDSON, IRA, Ph.B. Central 1897.....Shelbina, Mo.
Education, History

RIDLON, HESTER, B.S. Chicago 1903.....Evanston, Ill.
Education, Domestic Science

ROBERTS, EDWARD DODSON, A.B. Cincinnati 1899 and A.M. 1907..Cincinnati, Ohio
Education, Philosophy

ROBERTSON, HUGH SHAW, A.B. Toronto 1889.....Stratford, Ontario
Education, Mathematics

ROBINSON, ELIZABETH, B.S. 1906.....Nunda, N. Y.
Education

ROWELL, GERTRUDE F., A.B. Leland Stanford Jr., 1901.....San José, Cal.
Education, Philosophy

RUSK, ELIZABETH, A.B. 1907.....St. Joseph, Mo.
Education, Psychology

SCHACHTEL, ELSIE, A.B. 1907.....New York City
Education

SCHNORENBERG, JOHN R., A.B. Wisconsin 1907.....Hartford, Wis.
Education

SHARLITT, MICHAEL, A.B. C. C. N. Y. 1903.....New York City
Education, English

SIEGEL, MORRIS ELY, B.S. C. C. N. Y. 1904.....Tottenville, N. Y.
Education, Social Economy, History

SMITH, HAROLD FRED, A.B. Leland Stanford Jr. 1907.....Campbell, Cal.
Education, History

SMITH, ROY LEON, A.B. Syracuse 1904.....Freeport, L. I.
Education, History

SNYDER, ARRIETTA, A.B. Wellesley 1893.....Trenton, N. J.
Education, Esthetics

STONE, LULU MABEL, Ph.B. Cornell 1895.....Brooklyn, N. Y.
Education

SWAIN, ETHEL, B.L. California 1903.....Marysville, Cal.
Education, English

THEOBALD, JACOB, JR., A.B. C. C. N. Y. 1898.....New York City
Education, Psychology

THOMPSON, SAMUEL HENRY, A.B. Nebraska 1901.....Hastings, Neb.
Education, Sociology

TOBEY, KATHARINE HART, A.B. Wellesley 1907.....Oneonta, N. Y.
Education, History

UTTERBACK, TYLER ELLIOTT.....New York City
A.B. Centre 1891 and A.B. Kentucky 1893
Education, Sociology

WAY, ABNER P., B.S. Swarthmore 1898, M.D. Hahnemann 1901.....New York City
Education

WELLS, GUY FRED, B.S. 1907.....Oakfield, Wis.
Education, History

WIDDOWSON, JAMES, A.B. Juniata 1903.....Dixonville, Penn.
Education, Psychology, Sociology

WILBUR, CLARA LOUISE, B.S. 1906.....Fayetteville, N. Y.
Education

WILSON, JAMES FYFFE.....New York City
.B. Leland Stanford Jr. 1894, LL.B. N. Y. Law School 1904
Education

YOXALL, ETHEL, B.A. Washburn 1905.....Russell, Kan.
Education, English, History

Professional Students Candidates for the Bachelor's Degree and Diploma

Seniors

ABBOTT, ALDEN HAROLD (*History*).....Franklin, Mass.

APPEL, FRANK JOHN (*German*).....New York City

AYRES, JAMES J. (*Grammar Grades*).....New York City

‖BACK, ELIZABETH MITCHELL (*Mathematics*).....Yonkers, N. Y.

BAERD, GRACE JAQUESS (*English*).....New Albany, Ind.

BAKER, BYRON WARREN (*Elementary Supervision*).....New York City

BALL, DAISY ANNA (*Mathematics*).....Buffalo, N. Y.

BARNES, SUSIE (*English*).....Kirksville, Mo.

**BARNEY, MABEL IRENE.....Orange, N. J.

BARR, LOIS E. (*Mathematics*).....Holdredge, Neb.

BARRETT, ANNA LOUISE (*Kindergarten*).....Springfield, O

BENNETT, CLARA RACHEL (*Primary Supervision*).....Stroudsburg, Pa.

BENTLEY, ESTHER (*Primary*).....New Rochelle, N. Y.

BERNKOPF, BEATRICE MOLLIE (*Kindergarten*).....New York City
A.B., 1907

BLAUVELT, ANNA LA TOURETTE (*Manual Training*).....New Brunswick, N. J.

‖BRUSH, ANNA COOLEY (*Mathematics*).....New York City

BURNHAM, MABEL TOWNE (*English*).....Essex, Mass.

CHENEY, GEORGE WALKLEY (*Manual Training Supervision*).....Yonkers, N. Y.

CLAYPOLE, MINNIE ESTELLE (*English*).....Kittanning, Pa.
B.S. Grove City College 1905

*COHEN, AMELIA (*Domestic Science*).....New York City
A.B. 1906

COLLIGAN, EUGENE ALOYSIUS (*History*).....New York City

CONDIT, JANE RAFTER (*Biology*).....Verona, N. J.

**CONSALUS, MRS. FRANCES HAMILTON (*Manual Training*).....Greenwich, N. Y.

COOPER, HELEN ELIZABETH (*Domestic Science*).....Yonkers, N. Y.

CORBIN, ALICE MAY (*Kindergarten Supervision*).....Michigan City, Ind.

CRAIG, CAROLYN ROBERTA (*Domestic Art*).....Amity, N. J.

CRANE, ELLA E. (*History*).....Canandaigua, N. Y.

CUNNINGHAM, ELISE BRENCHAUD (*English*).....New York City

DANIEL, MARY KING (*English*).....Davidson, N. C.

DAVIDSON, MARY ELIZABETH SPENCE (*Biology*).....New York City

DAVIS, JANET HAYES (*Kindergarten*).....Parsons, Kan.

DEMENT, LUCIA WILLIAMS (*Fine Arts*).....Chicago, Ill.

‖ Candidate for the A.B. Degree. * Diploma only. ** Degree only.

De Witt, Samuel Rodman (*Elementary Supervision*).....New York City
Dollar, Ferne Vida (*Primary Supervision*).....Oshkosh, Wis.
Dullam, Ethel Pearl (*Primary Supervision*).....Rockford, Ill.
Dunlap, Mabel (*Domestic Art*).....Harrod, O.
Dusenberry, Ida Smoot (*Kindergarten Supervision*).....Provo, Utah
‖Dwyer, Eleanor Agnes (*History*).....New York City
Earhart, Gertrude (*Elementary Supervision*).....Duluth, Minn.
Earl, Anita Mills (*Domestic Art*).....New York City
‖Eaton, Clara Cecilia (*Mathematics*).....New York City
Edgerton, Edward Ira (*Mathematics*).....Franklin, N. Y.
Edwards, Austin Southwick (*Manual Training*).....Oswego, N. Y.
Edwards, Mary Josephine (*Domestic Science*).....Emporia, Kan.
Everson, Anna Emma (*Biology*).....Mamaroneck, N. Y.
*Fellows, Helen Christine (*Primary Supervision*).....Scranton, Pa.
A.M. 1907, A.B. Wilson 1906
‖Ferns, Edith (*Mathematics*).....Mt. Vernon, N. Y.
Fisher, Edna Vaughan (*English*).....Florence, Col.
Fisher, Grace (*Domestic Science*).....Paoli, Ind.
Francis, Carolyn Louise (*Mathematics*).....Honeoye Falls, N. Y.
Frechette, Marie Delphine (*French*).....Plattsburgh, N. Y.
*Foote, Edmund Willard (*English*).....New York City
A.M. Harvard 1904
Freedman, Leo (*German and Latin*).....New York City
Friess, Lottie Lucie (*German*).....New York City
Frishe, Helen (*Primary Supervision*).....Louisville, Ky.
Galewski, Aaron (*History*).....New York City
Galt, Sara Elizabeth (*History*).....Terre Hill, Pa.
Gamble, Edith Gertrude (*Kindergarten*).....New York City
Glidden, Minnie Maud (*Kindergarten*).....New York City
Grant, Mrs. Amy Allison (*English*).....New York City
Greenwood, Daisy Grace (*English*).....Maysville, Ky.
Grover, Ida Amberman (*English*).....Red Bank, N. J.
Haas, Ella (*Domestic Science*).....St. Louis, Mo.
Hackett, Katheleen (*Physical Education*).....New York City
Hakes, Marion (*Physical Science*).....Ilion, N. Y.
Harris, Clara Belle (*Primary Supervision*).....Harrisville, N. Y.
*Hartman, Lois Katheryn (*Domestic Science*).....Bozeman, Mont.
B.S. Montana Agricultural 1907
Hartzell, Ada Mary Catharine (*Hospital Economics*).....Newport, Pa.
Hassebroek, Mamie M. (*Domestic Science*).....Manhattan, Kan.
Hayes, Maud Ellen (*Kindergarten Supervision*).....New York City
Heaphy, Gertrude Mary (*Primary Supervision*).....New York City
Heatwole, Cornelius J. (*Elementary Supervision*).....Harrisburg, Va.
Henderson, Anne Laura (*Elementary Supervision*).....Green Bay, Mich.
Henderson, Eva Maria (*Domestic Science*).....Berkeley, Calif.
Henderson, Nathalie (*Grammar Grades*).....New York City
Hitchcock, Clara Delano (*Kindergarten Supervision*).....Michigan City, Ind.
*Hochheimer, Helen Alice (*Kindergarten*).....New York City
A.B. 1905
Hodge, Helen Lida (*Manual Training*).....Burlington, Vt.
Hodgson, Roberta (*English*).....Athens, Ga.
Horne, Elsie Rutherford (*Domestic Science*).....Plainfield, N. J.
‖Houston, Jessie Ferguson (*Mathematics*).....Orange, N. J.
Howard, Florence Louise (*History*).....New York City
*Hudson, Clara Elizabeth (*Domestic Science*).....New York City
A.B. 1901

‖ Candidate for the A.B. degree. * Diploma only.

|| Hufeland, Eleanor (*Mathematics*).....Mount Vernon, N. Y.
|| Hufeland, Marie Augusta (*Latin*).....Mount Vernon, N. Y.
Ireland, Elizur Ward (*History*).....Unadilla, N. Y.
Jackson, Ellen Hunt (*Latin*).....Tuscumbia, Ala.
Jansen, William (*Mathematics*).....New York City
**Jefferson, (Mrs.) Isabel Douglas (*Domestic Art*).....New York City
Jenney, Bertha (*Domestic Science*).....Cincinnati, O.
Jinishian, Asadour John (*Elementary Supervision*).....Marash, Aleppo, Turkey
Jones, Adele May (*Domestic Art*).....Dayton, O.
Jones, Margaret Mordecai (*Mathematics*).....Oxford, N. C.
Jones, Mary Ellen (*Grammar Grades*).....Newark, N. J.
Keating, William Vincent (*Grammar Grades*).....Brooklyn
Kelly, Katherine Hester (*English*).....Kingston, N. Y.
Kelly, Mollie Smeallie (*Domestic Science*).....Albany, N. Y.
Kingsbury, John Adams (*Elementary*).....Seattle, Wash.
Kirby, Virginia Rowland (*Fine Arts*).....Potsdam, N. Y.
Klein, Charles Louis (*History*).....New York City
Knapp, Mrs. Elizabeth Sanborn (*Manual Training*).....Yonkers, N. Y.
Kreiner, Lillian May (*English*).....Newark, N. J.
Kuesel, Anna Elizabeth (*German*).....New York City
Levene, Harry (*Mathematics*).....New York City
Levonian, Leon John K. (*Biology*).....Aintab, Turkey
Locke, Mrs. Ada M. (*Kindergarten*).....New York City
Logan, Laura Rebecca (*Hospital Economics*).....Amherst, N. S.
Lupton, Jennie Reed (*Kindergarten*).....San Antonio, Tex.
Luth, Emilie Helen (*English*).....New York City
MacDowell, Theodore Leander (*Elementary Supervision*).....Philadelphia, Pa.
**McCully, May Shields (*Physical Education*).....New York City
McVaugh, Roy (*Manual Training*).....Hochessin, Del.
Marren, Maud Louise (*English*).....Ocean Grove, N. J.
|| Marshall, Agnes Margaret (*English*).....Elmhurst, N. Y.
Martin, Mary la Motte (*English*).....Glenwood, N. J.
Mayman, Jacob Edward (*Physical Science*).....Brooklyn
*Meyer, Florence Alma (*Physical Education*).....Yonkers, N. Y.
A.B. 1905
Meyer, Mrs. Minna McEuen (*German*).....New York City
Middleton, Florence (*Biology*).....New York City
Milliken, Laura Goldsmith (Mrs.) (*Physical Education*).....New York City
Mills, Lewis Sprague (*Elementary Supervision*).....Collinsville, Conn.
Mitchell, Marianne (*Fine Arts*).....Southhold, N. Y.
Modell, David A. (*English*).....New York City
Moore, George Dolson (*Mathematics*).....Middletown, N. Y.
Morrow, Eleanor Alatha (*English*).....Allegheny, Pa.
Murdoch, Ada Mary (*Manual Training*).....New York City
Nelson, Newman Elias (*Manual Training*).....New York City
Nessler, Estelle C. (*Domestic Art and Science*).....New York City
Newell, Roberta (*Mathematics*).....New Orleans, La.
Nicholson, Jane Herbert (*Primary*).....Brooklyn
Nielsen, Kjersten (*Primary*).....Peekskill, N. Y.
O'Kane, George E. (*Grammar*).....New York City
Olinger, Henry Caesar (*French*).....New York City
Orcutt, Helen Wallace (*Kindergarten Supervision*).....Boston, Mass.
Paine, Alice May (*Primary Supervision*).....Winona, Minn.
Parmenter, Eleanor Bertha (*History*).....Camden, N. J.
Peyser, Ethel Rose (*Domestic Science*).....New York City
Pollock, William Denton (*English*).....Richmond Hill, L. I.

|| Candidate for the A.B. degree. * Diploma only. ** Degree only.

||Prahl, Josephine Anna (*German*).....New York City
Rainey, Mary Cornelia (*Primary Supervision*).....Hudson, N. Y.
Ranger, Edna S. (*Kindergarten*).....New York City
Rapoport, David (*History*).....New York City
Reesor, Mary (*Physical Education*).....Washington, D. C.
**Reppenhagen, Leila.....New York City
Riblet, Grace Elizabeth (*Fine Arts*).....New York City
A.B. N. Y. Normal College 1903
||Richardson, Edith Cushing (*German*).....New York City
Riester, Lauretta Frances (*Manual Training*).....Buffalo, N. Y.
Rinehart, Gertrude Louise (*Domestic Science*).....Toledo, O.
Rogers, Harriette Shattuck (*Domestic Science*).....Warren, Pa.
Rogers, Louise (*Kindergarten*).....New York City
Roura, Katharine Fancher (*Grammar Grades*).....New York City
Russell, Grace Elfleda (*Domestic Art and Domestic Science*).....Peekskill, N. Y.
Rydene, Alma Pauline (*English*).....New York City
Schureman, Ethel May (*Kindergarten*).....Fort Collins, Col.
A.B. Colorado Agricultural College 1904
Seglin, George Max (*Mathematics*).....Bayonne, N. J.
Selvidge, Robert Washington (*Manual Training*).....Warrensburg, Mo.
Ibley, Caroline Anna (*Kindergarten*).....Muskegon, Mich.
Simons, Lao Genevra (*Mathematics*).....New York City
Skinner, Edna Lucy (*Domestic Science*).....Kalamazoo, Mich.
Slaymaker, Rebecca Jane (*English and History*).....Lancaster, Pa.
Smith, Charles Frederick (*Manual Training*).....Cleveland, O.
Smith, Edwin Bert (*History*).....Worcester, N. Y.
Steele, Ellen (*Grammar Grades*).....Portland, Conn.
||Steinberg, Pauline (*Biology*).....Elizabeth, N. J.
Steinbrenner, Elizabeth Louise (*English*).....Lowville, N. Y.
Stock, John Walter (*Latin*).....New York City
Stoddard, Orrie Schnedicher (*Physical Science*).....Binghamton, N. Y.
Streibert, Ethel Katherine (*Domestic Science*).....Ann Arbor, Mich.
A.B. Michigan 1907
Sutton, Margaret Eliza (*Primary Supervision*).....Oshkosh, Wis.
Swartz, Annie Martha (*Mathematics*).....Gettysburg, Pa.
A.B. Pennsylvania 1902
Thorne, Fred (*Manual Training*).....New York City
Townsend, Emilie (*Elementary Supervision*).....Grand Rapids, Mich.
Voss, Edna Renard (*Mathematics*).....Washington, D. C.
Waller, Phoebe Marshall (*English*).....Maysville, Ky.
Webster, Sarah Emeline (*Manual Training*).....New York City
Weeks, Florence Louise (*Mathematics*).....Astoria, L. I.
White, Walter Charles Lewis (*Fine Arts*).....New York City
Wilcox, Winifred (*Primary Supervision*).....Yonkers, N. Y.
Williamson, Nannette Elena (*Kindergarten*).....Muses Bottom, W. Va.
Wilson, John Reid (*Elementary Supervision*).....Paterson, N. J.
Wilson, William Henry (*Elementary*).....Paterson, N. J.
Wolfe, Veronica Lena (*Domestic Art*).....New York City
Woodson, Elsie (*History*).....Charleston, Ill.
Work, Norman Porter (*Manual Training*).....Yonkers, N. Y.
Wyckoff, Edna (*German*).....Hightstown, N. J.

Juniors

Alexander, Sara Shorter (*Kindergarten*).....New York City
Allen, Laura (*Primary Supervision*).....New York City
Angell, Merton Almon (*Elementary*).....New York City

|| Candidates for the A.B. degree. * Diploma only. **Degree only.

AVENT, JOHN MCDONOUGH (*History*).....New York City
BABB, EMILY AUGUSTA (*Manual Training*).....Holden, Mass.
A.B. Mt. Holyoke, 1899
BALCH, FLORA EMMA (*Mathematics*).....Lerna, Ill.
BALDWIN, BERTHA NELLIE (*Domestic Science*).....Chicago, Ill.
BALDWIN, EDWIN FRANKLIN (*Mathematics*).....Hastings-on-Hudson, N. Y.
BARBER, FRANK WESTON (*Grammar Grades*).....Wilton, N. H.
BARNES, LOUISE MARIE WADE (*History*).....Scranton, Pa.
BELL, MABEL BEATRICE VALENTINE (*Mathematics*).....New York City
BENSON, LELAND WARD (*Mathematics*).....Port Jefferson, L. I.
BERNKOPF, ANNA (*German*).....New York City
BIDSTRUP, ELSA (*Physical Education*).....New York City
BISHOP, HELEN ADELIA (*Domestic Science*).....Decatur, Ill.
BLODGETT, CAROLINE ELLEN (*Music*).....Ludington, Mich.
BONSALL, ABBIE LOUISE (*Latin*).....Salem, O.
BOOTE, MABEL LOUISE (*Physical Education*).....Yonkers, N. Y.
BOYCE, ZARA MCCLELLAND (*Manual Training*).....Schuylerville, N. Y.
BOYER, CHARLOTTE MORRELL (*Fine Arts*).....New York City
BOYSON, CHRISTINE HOLMES (*English*).....Osseo, Minn.
BRETT, ANNA (*English*).....New York City
BRETT, EDITH MARILLA (*English*).....New York City
BRIGGS, BERTHA IMOGENE (*English*).....Dartmouth, Mass.
BUNDREN, VIRGINIA (*Fine Arts*).....Jefferson City, Tenn.
BUSECK, LENA (*German*).....Passaic, N. J.
BYRNE, MARY B. C. (*English*).....New York City
CLARK, LORA MINNIE (*German*).....Cohoes, N. Y.
*COFFIN, MARGARET (*Domestic Art*).....Knoxville, Tenn.
A.B. Tennessee 1900
COHN, EMMA (*History*).....New York City
COOK, FRIEDA HERMINA (*German*).....Brooklyn
COYNE, MARY AGNES (*Domestic Science*).....Yonkers, N. Y.
CREIGHTON, ELIZABETH (*Manual Training*).....Toledo, O.
CROOKS, NELLIE (*Domestic Art*).....New York City
CRUDEN, GERTRUDE (*Domestic Art*).....New York City
A.B. Smith 1907
DENISON, ISABEL NOYES (*Mathematics*).....Groton, Ct.
DEUTSCH, JULIA (*History*).....New York City
DEXHEIMER, LORA MARY (*Grammar Grades*).....Spencer, S. D.
DOWNIE, ISABELLA HELEN (*Physical Education*).....Cleveland, O.
DUNBAR, ANNA AUGUSTA (*Grammar Grades*).....Beech Island, S. C.
DUNBAR, MARJORY (*Domestic Science*).....Dobbs Ferry, N. Y.
EDENS, OLIVE LORENDA (*English*).....Bellingham, Wash.
ELTINGE, LOUISE (*Grammar Grades*).....New York City
FARRELL, CHARLOTTE DALY (*English*).....Rahway, N. J.
FERRIN, FLORENCE ALMA (*French*).....Montpelier, Vt.
FINK, ALBERT (*Biology*).....New York City
FORSELL, ALVA ELVIRA (*Mathematics*).....West Brighton, S. I.
GAMBIER, LOUISE MARC (*French*).....New York City
GARLICK, EDITH S. (*Geography*).....Paterson, N. J.
GENIN, MAY (*Mathematics*).....Atlantic Highlands, N. J
GERRITSON, MAUDE BRACKETT (*History*).....Waltham, Mass.
GIANELLA, GERALDA (*French*).....New York City
GODWIN, ALICE CORNELIA (*Domestic Science*).....Grand Rapids, Mich.
GRANT, EDITH (*Primary Supervision*).....Bangor, Me.
GRAY, INEZ LUCY (*Fine Arts*).....High Falls, N. Y.
GREEN, ETHEL MAGNOLIA (*Primary Supervision*).....Norris City, Ill.

* Diploma only

GREGG, RACHEL ELIZABETH (*Primary Supervision*)..... Citra, Fla.
GRUNDY, ELIZABETH (*Mathematics*).....Paterson, N. J.
GUERNSEY, JESSIE ELIZABETH (*History*).....New York City
HALLOCK, ESTELLE MARCY (*English*).....Tunkhannock, Penn.
HAMEL, GEORGIANA (*Geography*).....Newark, N. J.
HAMILTON, EDITH LEILA (*English*).....New York City
HAMM, FRANKLIN PIERCE (*Latin*).....Breakabeen, N. Y.
HARRIGAN, MAURICE (*Physical Science*).....Canton, N. Y.
HARRIS, JANIE JACKSON (*English*).....Florence, Ala.
HAWKINS, ALFRED CAREY (*Geography*).....Sewaren, N. J.
HENDERSON, NAN (*Hospital Economics*).....Talladega, Ala.
HERRIG, ANNE BERTHA (*Elementary Supervision*).....Saginaw, Mich.
HERRMANN, HATTIE (*Mathematics*)..... New York City
HETZEL, JESSIE FRANCES (*Domestic Science*).....Stevens Point, Wis.
HOWARD, IDA MILLER (*History*).....Pulaski, Va.
HOWLAND, GEORGE F.....New York City
IRVING, SYLVIA (*Grammar Grades*).....New York City
JACKSON, ANNA MORRIS (*Domestic Science*).....New York City
JESSUP, HARRIET FOSTER (*Domestic Science*).....Piermont, N. Y.
JOHNSON, ELIZABETH FRANCES (*Domestic Science*).....Cincinnati, O.
A.B. Cincinnati 1896
JONES, SUSIE MARKHAM (*History*).....Waco, Tex.
KEMPF, EMILIE M. (*Primary*).....Newark, N. J.
KEMNA, CHARLOTTE (*Domestic Art*).....Larchmont, N. Y.
KING, MAY HELEN (*Domestic Science*)..... Oakland, Cal.
KIRCHBERGER, ELSA (*German*).....New York City
KOEHLER, BERTHA KATRINA (*Kindergarten*).....Rutherford, N. J.
LAWSON, GERTRUDE PRINGLE (*Domestic Science*).....New York City
LEE, ALICE (*Primary*).....Milton, Mass.
LEE, EDWIN HENRY (*Mathematics*).....Tuskegee, Ala.
LINGG, AMALIE SOPHIE (*German and French*).....Tompkinsville, S. I.
LINN, PAUL HANG (*Grammar Grades*).....Canton, China
LUCAS, JANNETTE MAY (*History*).....New York City
LYNCH, GEORGE ALOYSIUS (*History*).....New York City
MCCLOSKEY, JAMES HARVEY (*Manual Training*).....Spokane, Wash.
MCCULLY, FLORENCE MARIE (*Domestic Art*).....New York City
MCCUNE, GRACE (*Latin*).....Troy, N. Y.
MCILROY, SAMUEL HUGH (*Elementary Supervision*).....Newark, N. J.
MCKINLEY, VIRGIL PARKS (*Manual Training*).....Troy, Ala.
MCLAUGHLIN, ELIZABETH BROWNE (*Domestic Science*).....Cincinnati, O.
MACLEAR, MARTHA (*Primary Supervision*).....Wilmington, Del.
MANN, CLARA FITZGERALD (*History*).....Mount Vernon, N. Y.
**MARSH, DELLA (*Domestic Science*).....Fort Collins, Col.
MARTIN, FLORENCE JANE (*Kindergarten*).....New York City
MARTINI, AUGUSTA (*German*).....New York City
MATHES, FANNIE PENDEXTER (*English*).....Durham, N. H.
MATHEWS, ANDREA WARWICK (*English*).....Lewisburg, W. Va.
MEEKER, GRACE V. (*Manual Training*).....Roseland, N. J.
MERRITT, ELIZABETH (*Primary Supervision*).....Duluth, Minn.
MEYER, SOPHIE MARGARET (*English*) .....San Rafael, Calif.
MILLER, MARIA RICE (*English*).....Dennisville, N. J.
MOMBERT, ANNE THEODORA (*German*).....Paterson, N. J.
MONSKY, JOSEPH (*German*).....New York City
MOORE, HENRY NELSON (*Manual Training*).....Pittsburg, Penn.
MORIARTY, MARY LILLIAN (*English*).....S. Manchester, Conn.

** Degree only.

MORRISON, CAROLYN ELIZABETH (*Grammar Grades*).....South Orange, N. J.
MORRISSEY, ALICE IRENE (*Physical Education*).....New York City
MURCHIE, MAUDE IRENE (*Domestic Science*).....Nevada City, Calif.
MURRAY, LEWIS HAMILTON (*Elementary Supervision*).....Baltimore, Md.
MURTLAND, CLEO (*Geography*).....Newark, N. J.
NELKEN, AUGUSTA (*Elementary Supervision*).....Natchitoches, La.
NEVILLE, ELEANOR STEVENS.....New York City
O'BRIEN, MARY BRENNAN (*Domestic Science*).....New York City
O'GORMAN, JAMES MICHAEL (*Elementary Supervision*).....Oswego, N. Y.
O'KEEFE, LOUISE LANGLEY (*Biology*).....New York City
OLDHAM, MAUD (*English*).....Salem, Mass.
OUTTERSON, BESSIE ELLEN (*English*).....East Stroudsburg, Pa.
OWENS, JULIA LOUISE (*Latin*).....Ridgefield, Conn.
PALMER, FRANK W. (*Mathematics*).....East Meredith, N. Y.
PERHAM, BERTHA ELLEN (*Domestic Science*).....Lestershire, N. Y.
PLANER, CLARA HELENE, MRS. (*German*).....Hoboken, N. J.
PLATTO, CASSANDRA CHANDLER (*Primary*).....Baltimore, Md.
POLAND, ETHEL ELIZABETH (*Kindergarten*).....Newark, N. J.
POTTER, GRACE R. (*Primary*).....Whitewater, Wis.
PRATT, HELEN LOUISE (*Biology*).....Bridgeport, Conn.
PROCKNOW, CHARLOTTE S. (*English*).....Port Chester, N. Y.
PUORRO, MICHAEL (*Biology*).....New York City
SMITH, BESSIE HELMER (*Kindergarten*).....Yonkers, N. Y.
REGAN, MICHAEL FRANCIS (*Physical Science*).....Winthrop, N. Y.
REID, MARY JANE (*Domestic Science*).....Toccoa, Ga.
RICHARDS, ELIZABETH MAY (*English*).....Nevada City, Calif.
RICHMOND, LILLIE (*Elementary Supervision*).....Bethel, Conn.
ROGERS, JULIET OAKES (*Domestic Science*).....Carthage, N. Y.
SCHMIDT, MARIE LUCILE (*German*).....Avoca, Ia.
SCHWENKER, CHARLOTTE ELIZABETH (*History*).....New York City
SEAGER, ANNA LUELLA (*Elementary Supervision*).....Brockport, N. Y.
SEEKELL, GRACE EDITH (*Elementary Supervision*).....Grand Rapids, Mich.
SELLERS, BEATRICE MARIE (*Biology*).....New York City
SHAW, RUTH CORNELIA (*Geography*).....Honolulu, T. H.
SHERWOOD, WINIFRED (*Kindergarten*).....Iowa City Ia.
SHOEMAKER, ISABEL OLIVE (*Mathematics*).....St. Cloud, Minn.
SIGAFUS, ANNA EMILY (*History*).....Stroudsburg, Pa.
SIMMONS, MARGARET MOE (*Kindergarten Supervision*).....New York City
SINGER, EMMA ANNETTA (*History*).....E. Stroudsburg, Pa.
SINSABAUGH, MARY MOULD (*English*).....Montgomery, N. Y.
SMART, ALICE MADELEINE (*Physical Education*).....New York City
SMITH, EDITH IVES (*Physical Education*).....Bridgeport, Conn.
SMITH, FRANCES YANCEY (*English*).....Charlotte C. H., Va.
STAMM, CAROLINE LOUISE (*German*).....Mt. Vernon, N. Y.
STANLEY, ANNE ABERNETHY (*Elementary Supervision*).....Perth, Ont.
STEPHENS, ISABEL MARY (*Physical Education*).....Atlanta, Ga.
STILES, BERTHA CRANE (*Primary Supervision*).....Cedar Falls, Ia.
STROPE, ALICE (*Physical Education*).....Marlborough, N. Y.
SUFFERN, ARTHUR ELLIOTT (*History*).....Corning, N. Y
TAGGART, LEON DE WITT (*Mathematics*).....Lake Delaware, N. Y.
TOWNSEND, CORNELIA (*Primary Supervision*).....Odessa, Del.
TROTTIER, THEOPHILE (*French*).....New York City
TUCHTON, ISABELLE BAIRD (*History*).....Wilmington, Del.
TUPPER, HARRIET AKIN.....New York City
TWADDLE, HUGH W. (*Manual Training*).....Ossining, N. Y.
UNDERHILL, ANNA (*Latin*).....New York City
VINSON, BYRD (*Domestic Science*).....New York City

WAITE, MARY GLOYD (*Kindergarten*).....Newark, N. J.
WARING, REBERTA AMANDA (*Physical Education*).....Baltimore, Md.
WEST, CLAUDE LORRAINE (*Elementary Supervision*).....Newark, N. J.
WILEY, WILLIAM H. (*Physical Science*).....N. Tarrytown, N. Y.
WILLIAMS, BESSIE POTTER (*Kindergarten*).....New York City
WINCHELL, CORA MARGUERITE (*Domestic Art and Science*).....Mount Vernon, N. Y.
WINCHELL, FLORENCE ELLA (*Domestic Art and Science*).....Mount Vernon, N. Y.
WISEMAN, JOSEPH SCOTT (*Manual Training*).....Oakhurst, N. J.
WOLFE, VERONICA LENA (*Domestic Art*).....New York City
WRIGHT, CARILE HANFORD (*Domestic Science*).....Summit, N. J.
WRIGHT, EVA (*Grammar Grades*).....Oneonta, N. Y.
ZOBEL, AMELIA RUNGE (*German*).....New York City

Candidates for Special Diploma or Certificate

SECOND YEAR

ADAMS, HENRIETTE (*Domestic Art*).....South Orange, N. J.
ADAMS, KATHLEEN (*Manual Training*).....Upper Montclair, N. J.
AMY, ERNEST CLEAVES (*Manual Training*).....New York City
AUGUR, VILLA (*Kindergarten Supervision*).....Los Angeles, Cal.
BAKER, MARY ELLIFF (*Kindergarten*).....Closter, N. J.
BALDWIN, MARY FLORENCE (*Domestic Science*).....Grand Rapids, Mich.
BARANOFF, REVA (*Primary*).....New York City
BARNARD, IDA CRAWFORD.....New York City
BARNETT, NELLIE MARY (*Manual Training*).....Bellingham, Wash.
BISHOP, FANNIE ARNOLD (*Kindergarten*).....Norwich, Conn.
BOCKEE, MARIA P. (*Fine Arts*).....Amenia, N. Y.
BREWER, ANNIE TAYLOR (*Elementary Supervision*).....Anniston, Ala.
BREWER, MRS. MARGARET DRYDEN (*Fine Arts*).....Chicago, Ill.
BRIGGS, ANNIE BENNETT (*Kindergarten*).....East Orange, N. J.
BUDINICH, JOHN (*Physical Education*).....Coquimbo, Chili
BURDICK, EDITH MAY (*Kindergarten*).....Orange, N. J.
CAMPBELL, NELLE (*Domestic Science*).....Upper Montclair, N. J.
CAMPBELL, SUSAN EDITH (*Manual Training*).....Decatur, Ill.
CAMPBELL, VIOLA HORTENSE (*Domestic Science*).....Yonkers, N. Y.
CAPRON, BESS ADELAIDE (*Domestic Science*).....Freeport, Ill.
CHAMBERLIN, MARJORIE (*Fine Arts*).....Bloomington, Ill.
CHANDLER, HELEN CLARK (*Fine Arts*).....Berkeley, Cal.
COATES, GLADYS (*Domestic Art*).....New York City
COBB, ETHELYN PRATT (*Fine Arts*).....Titusville, Pa.
CONVERSE, MARY (*Domestic Science*).....Hammond, La.
DAILEY, FRANCES AVERILL (*Music*).....Englewood, N. J.
DECKER, KATHERINE ANNA (*Hospital Economics*).....Girard, Pa.
DENTON, EMMA (*Domestic Science*).....St. Louis, Mo.
DOLFINGER, EDNA (*Fine Arts*).....Louisville, Ky.
DUNCAN, MABEL HARRISON (*Fine Arts*).....New York City
EVANS, PEARLEY IDA (*Kindergarten*).....Coffeyville, Kans.
FEAGIN, ALMA (*Grammar Grades*).....Birmingham, Ala.
FERRIGAN, MARY SLOANE (*Domestic Art*).....New York City
GARRISON, CHARLOTTE GANO (*Kindergarten Supervision*).....Cincinnati, Ohio
HARCOURT, ELIZABETH (*Hospital Economics*).....Guelph, Ont.
HARRINGTON, EVALINA (*Kindergarten Supervision*).....Poughkeepsie, N. Y.
HARRISON, ANNA C. (*Kindergarten*).....Chatham, N. J.
HASKELL, AMY (*Kindergarten*).....Bath, N. Y.
HAYES, ANNA GIBB (*Hospital Economics*).....New York City
HEALY, FLORENCE M. (*Physical Education*).....New York City
HEDGES, ANNA (*Domestic Science*).....Waverly, N. Y.

Hollister, Ethel Mae (*Domestic Art*).....Goleta, Calif.
Hubbard, Mary Belle (*Domestic Science*).....Marine City, Mich.
Humann, Otto Victor (*Fine Arts*).....Chicago, Ill.
Humfeld, Emma Wilhelmina (*Domestic Art*).....Kansas City, Mo.
Humphrey, Jane Agnes (*Domestic Science*).....Lansing, Mich.
Hyde, Blanche Evelyn (*Domestic Art*).....Newton, Mass.
Ingalls, Harriette Augusta (*Primary Supervision*).....Saratoga Springs, N. Y.
Jacobson, Sadie Lila (*Domestic Art*).....New York City
Johnson, Mary Hunter (*Kindergarten*).....Mt. Sterling, Ky.
Kingsbury, Louise Cline (*Domestic Art*).....New York City
Larter, Helen Matilda (*Kindergarten*).....Kingston, N. Y.
Leiby, Eva Viola (*Domestic Science*).....Ellendale, N. D.
Lobdell, John Nathan (*Manual Training*).....Potsdam, N. Y.
Long, Alma Irene (*Domestic Art*).....New Haven, Conn.
McKeen, Elizabeth (*Domestic Science*).....Easton, Pa.
McNally, Katherine Mary (*Kindergarten*).....New York City
Macneil, Adela Robey (*Fine Arts*).....Pasadena, Cal.
Manlove, Myra Bell (*Fine Arts*).....Oakland, Cal.
Merriam, Elizabeth (*Kindergarten*).....New York City
Metcalf, Martha Lois (*Domestic Science*).....Indianapolis, Ind.
Miller, Mary Emma (*Fine Arts*).....Strausburg, Pa.
Moeller, Sophie Agnes (*Domestic Science*).....New York City
Murray, Anna (*Fine Arts*).....Saltsjobaden, Sweden
Nathans, Mrs. Annabel Joseph (*Fine Arts*).....New Orleans, La.
Nichols, Dorothy Mott (*Kindergarten*).....East Orange, N. J.
Niswanger, Lecca (*Kindergarten*).....
Opperman, Gertrude (*Kindergarten*).....Michigan City, Ind.
Otis, Edward King (*Fine Arts*).....Worcester, Mass.
Paul, Elsa Matie (*Grammar Grades*).....Henderson, Iowa
Pernessin, Noemi (*Fine Arts*).....New York City
Phipps, Carrie Elizabeth (*Fine Arts*).....Cambridge, Mass.
Pinckney, Marie Louise (*Fine Arts*).....Minnetonka Beach, Minn.
Pitner, Ina Klosking (*Domestic Science*).....Evanston, Ill.
Ramsay, Mary (*Kindergarten*).....Jersey City, N. J.
Reinhold, Carrie Kurtz (*Domestic Art*).....New York City
Rich, Louise Eleanor, (*Kindergarten*).....Williamsport, Pa.
Ring, Helen Margaret (*Kindergarten*).....Nantucket, Mass.
Robbins, Florence Seeley (*Fine Arts*).....Goshen, N. Y.
Robinson, Caroleen (*Kindergarten Supervision*).....Saginaw, Mich.
Rodes, Frances Louise (*Fine Arts*).....Roanoke, Va.
Roome, Ada Hamilton (*Physical Education*).....New York City
Ryan, Elizabeth Frances (*Domestic Science*).....Muskegon, Mich.
Sabourin, Mary Lillian (*Fine Arts*).....Arlington, N. J.
Sherman, Dorothy (*Fine Arts*).....Mount Vernon, N. Y.
Shoninger, Edna (*Fine Arts*).....Chicago, Ill.
Smith, Bessie Helmer (*Kindergarten*).....Yonkers, N. Y.
Spingler, Augusta (*Kindergarten*).....Poughkeepsie, N. Y.
Staples, Helen Ford (*Primary Supervision*).....Winona, Minn.
Steele, Anne Tate (*Primary*).....Kansas, Ill.
Stewart, Judson Lloyd (*Manual Training*).....Galion, O.
Story, Mary (*Manual Training*).....Oakland, Cal.
Stroud, Carrie Estelle (*Fine Arts*).....Asbury Park, N. J.
Suydam, Sara Marie (*Fine Arts*).....Ridgefield, N. J.
Thomas, De Rossette (*Domestic Science*).....San Antonio, Tex.
Thomson, Jennie Lloyd (*Kindergarten*).....Highwood, N. J.
Tripp, Lucy Emeline (*Fine Arts*).....Mt. Pleasant, Mich.
Troeger, Elisabeth Emily (*Fine Arts*).....Charles City, Ia.

TROY, LOTA LEE (*Fine Arts*).....Greensboro, N. C.
VAIL, EDNA (*Primary*).....Hamden, N. Y.
VANDERBILT, SADIE B. (*Domestic Science*).....New York City
WADSWORTH, IDA CAROL (*Domestic Science*).....Grand Junction, Col.
WALLLACE, HOWARD HOSTFORD (*Manual Training*).....New York City
WHEELER, MABEL HUBBARD (*Kindergarten Supervision*).....Cleveland, O.
WILLCOX, MARY ST. JOHN (*Domestic Science*).....Mount Vernon, N. Y.
WILLS, ELLA GARDNER (*Kindergarten*).....Denver, Col.
WINTER, WILLIAM EDWARD (*Manual Training*).....Williamsport, Pa.

FIRST YEAR

ALLEN, BESSIE MAY (*Domestic Science*).....Castalia, Ia.
ARBUS, CAROLINE MARION (*Domestic Art*).....Springfield, Mass.
AUSTIN, KATE LILLIAN (*Physical Education*).....New York City
AVERY, EDNA IRENE (*Domestic Art*).....Tacoma, Wash.
BAKER, NELLIE BEATRICE (*Manual Training*).....Honolulu, Hawaii
BANKS, VENIE MAE (*Fine Arts*).....Sparrow Bush, N. Y.
BARNES, MARIE (*Kindergarten*).....Fargo, N. D.
BALDT, LAURA IRENE (*Domestic Art*).....Philadelphia, Pa.
BAUMERT, CHRISTINE (*Music*).....New York City
BAXTER, EMILY PRISCILLA (*Kindergarten*).....Highwood, N. J.
BECKER, BERTHA MADELAIN (*Domestic Art*).....New York City
BEECHER, HADASSAH CANDEE (*Domestic Science*).....Redlands, Cal.
BLAIR, ALICE EVANS (*Domestic Art*).....Peoria, Ill.
BLAKE, CORNELIA DOUGLAS (*Manual Training*).....Talladega, Ala
BROOKS, MRS. HELEN BRYCE (*Domestic Art*).....Toledo, O.
BROWN, BERTHA E. (*Manual Training*).....Byron, N. Y.
BROWN, HELEN MARGARET (*Domestic Science*).....Indianapolis, Ind.
BROWN, LUCILE ANNETTE (*Domestic Art*).....Sedalia, Mo.
BRYAN, EDWARD H. (*Elementary Supervision*).....Sargentsville, N. J.
BUCHER, ISABEL HASEL (*Manual Training*).....Baltimore, Md.
BUEMMING, CHARLOTTE ADAM (*Domestic Art*).....New York City
BUTLER, HELEN ROSE (*Kindergarten*).....New York City
BUTLER, MARIE EVELYN (*Kindergarten*).....New York City
CAINE, BLANCHE ELSIE (*Domestic Science*).....Logan, Utah
CATTON, JESSIE E. (*Hospital Economics*).....Constantine, Mich.
CHUBB, EVA IRENE (*Manual Training*).....Schuylersville, N. Y.
COEKE, HILDA MAY (*Fine Arts*).....Berkeley, Cal.
CORRELL, ETHEL H. (*Kindergarten*).....Osaka, Japan
COLEMAN, LUCY SINGLETON (*Kindergarten*).....Richmond, Va.
COYLE, CLARA VANDERHOOF (*Kindergarten*).....Glen Ridge, N. J.
CRANE, BLANCHE HARRISON (*Kindergarten*).....Montclair, N. J.
DAVIS, RUTH WILBUR (*Physical Education*).....Minneapolis, Minn.
DICKEY, ALTA VERONA (*Domestic Art*).....Montclair, N. J.
DIEMER, CAROLINE MAY (*Manual Training*).....Rochester, N. Y.
DOBBS, ELLA VICTORIA (*Manual Training*).....Pasadena, Cal.
DORLAND, BONNIE BELLE (*Physical Education*).....Arlington, N. J.
EMERY, JULIA JORDAN (*Physical Education*).....Kirkwood, Ga.
EVANS, MARGARET (*Domestic Art*).....Kent, O.
FARNUM, ANNIE FLORINE (*Physical Education*).....New York City
FIELD, NELL C. (*Domestic Art*).....Anoka, Minn.
FORMAN, ELEANOR BRYNBERG (*Grammar Grades*).....Elsmere, N. Del.
FOX, KATHERINE ANASTASIA (*Grammar Grades*).....Chicago, Ill.
GRANT, ANNA (*Domestic Science*).....Salt Lake City, Utah
GREENEWALD, RUTH JOSEPHINE (*Domestic Art*).....Bradford, Pa.
HARRIS, STELLA CASE (*Manual Training*).....Springfield, Mo.
HENDRIAN, AUGUST WILLIAM (*Physical Education*).....Detroit, Mich.

Hess, Balbina Marcella (*Primary Supervision*).....Glen Ullin, N. D.
Hinshelwood, Mabel (*Nature Study and Geography*).....Jamesburg, N. J.
Holman, Bessie Frances (*Domestic Art*).....Indianapolis, Ind.
Hooper, Minnie Louise (*Kindergarten*).....North River, N. Y.
Hutchins, Anna Peddie (*Domestic Science*).....Lawrence, N. Y.
Jenkins, Elizabeth Blaine (*Fine Arts*).....Washington C. H., O.
Judd, Edwin Ferris (*Manual Training*).....Easthampton, Mass.
Kellsey, Jane Douglas (*Kindergarten*).....Englewood, N. J.
Kerns, Fannie Maria (*Fine Arts*).....Los Angeles, Calif.
Kimball, Ruth (*Kindergarten*).....Fitchburg, Mass.
Kingsbury, Agnes Palmer (*Kindergarten*).....Webster, Mass.
Kirkley, Florence (*Physical Education*).....Toledo, Ohio
Kurtz, Alice Tintoretto (*Hospital Economics*).....New York City
Leavenworth, Katharine Elizabeth (*Kindergarten*).....Eaton, N. Y.
Lee, Florence Margaret (*Domestic Art*).....Mamaroneck, N. Y.
Leggett, Anna Lee (*Domestic Science*).....Altamont, N. Y.
Lincoln, Mary Bruce (*Kindergarten*).....Grand Rapids, Mich
Loring, Stella Gifford (*Hospital Economics*).....Orange, N. J.
Lowrey, Miriam Stetlar (*Kindergarten*).....New York City
Lowes, Mary Frances (*Hospital Economics*).....Muskegon, Mich.
McGowin, Margaret Odell (*Domestic Art*).....Pittsburgh, Pa.
McGrath, Estelle Marie (*Kindergarten*).....Madison, N. J.
McMillan, Mary Eliza (*Fine Arts*).....Red Springs, N. C.
Mabrey, Helen Riedell (*Domestic Science*).....Norwich, Conn.
Manchester, Mrs. Melinda J. (*Domestic Science*).....Milford, N. H.
Manwell, Theodosia Parker (*Hospital Economics*).....East Milton, Mass.
Martin, Mary Mitchell (*Manual Training*).....Florence, Ala.
Massee, Edith Marion (*Domestic Science*).....Milwaukee, Wis.
Masters, Margaret Parvin (*Primary*).....Marlton, N. J.
Mathews, Mary Estelle (*Fine Arts*).....New York City
Matteson, Claire Louise (*Domestic Science*).....Decorah, Iowa.
Miller, Mary Clara (*Domestic Art*).....Pottstown, Pa.
Miller, Willa Mabelle (*Domestic Science*).....Nineveh, Va.
Milmoe, Julia Agnes (*Hospital Economics*).....Nyando, N. Y.
Minahan, Mary Elizabeth (*Domestic Science*).....Calumetville, Wis.
Mitchell, Irene Theodora (*Kindergarten*).....Boonton, N. J.
Mitchell, Margaret Johnes (*Domestic Art and Science*).....Philadelphia, Pa.
Morris, Nan Hynson (*Domestic Science*).....Edgemoor, Del.
Murphy, Helen Frances (*Domestic Art*).....Muskegon, Mich.
Murphy, Ellen Jane (*Elementary Supervision*).....Bamberg, S. C.
Nash, Lily (*Primary Supervision*).....Glen Elder, Kan.
Nassau, Mary Brunette Foster (*Physical Education*).....Trenton, N. J.
O'Reilly, Mary Genevieve (*Kindergarten*).....Elizabeth, N. J.
Parmelee, Mary (*Domestic Art*).....Toledo, O.
Pearson, William Richmond (*Physical Education*).....New York City
Pendleton, Constance (*Fine Arts*).....Bryn Athyn, Pa.
Phillips, Caroline Dorothea (*Fine Arts*).....High Bridge, N. J.
Reindollar, Mary Blanche (*Elementary Supervision*).....Baltimore, Md.
Rice, Edith Grace (*Elementary Supervision*).....Baltimore, Md.
Robbins, Sue (*Primary*).....Lexington, N. C.
Rue, Marguerite Andrew (*Manual Training*).....Freehold, N. J.
Rumbaugh, Roxy Esther (*Kindergarten*).....Ely, Nev.
Sasnett, Martha R. (*Domestic Science*).....Savannah, Ga.
Schuler, Malcolm William (*Manual Training*).....Wilkes-Barre, Pa.
Schwartz, Catherine Cecile (*Kindergarten*).....New York City
Schwarz, Helen (*Fine Arts*).....New York City
Shelley, Lillian (*Domestic Art*).....Dawn, O.

SHIVELY, MABEL ROUETTE (*Fine Arts*).....Napa, Cal.
SIMPSON, SUSAN ALISON (*Fine Arts*).....Elmira, N. Y.
SMITH, BERTA TYLER (*Fine Arts*).....Cairo, Ill.
SMITH, BESSIE GORDON (*Kindergarten*)..... East Orange, N. J.
SMITH, GERTRUDE MORRIS (*Domestic Science*).....Grand Rapids, Mich.
SMITH, MARY LOIS (*Manual Training*).....Westfield, N. J.
SNIDER, ISAAC (*Manual Training*)..... New York City
SNOOK, NELLIE A. (*Elementary Supervision*).....S. Lebanon, O.
STADLER, BLANCHE FANNIE (*Kindergarten*).....New York City
STORER, HELEN MAYE (*Manual Training*).....Susquehanna, Pa.
STRINGFELLOW, ETHEL GREY (*Primary*).....Tuscaloosa, Ala.
SUNDERLAND, BELLE (*Domestic Science*).....Cleveland, O.
SWENSON, SADIE JOHNNETTE (*Domestic Art*).....Clifton, Tex.
TEN EICK, CORA AGNES (*Domestic Art*).....New York City
THOMAS, JAMES J., Jr. (*Fine Arts*).....Raleigh, N. C.
TODD, NELL MARGARET (*Fine Arts*).....New York City
TROWBRIDGE, MYRA CHARLOTTE (*Domestic Art*).....Toledo, O.
TULLY, MARY V. (*Domestic Art*).....New York City
VAN VOSBURGH, LILLIAN MAY (*Kindergarten*).....Baltimore, Md.
WALES, MARY ALICE (*Fine Arts*).....Monson, Mass.
WARD, ELIZABETH HARRISON (*Fine Arts*).....Oneonta, N. Y.
WELDIN, WINIFRED (*Kindergarten*).....Edgemoor, Del.
WELLINGTON, LOUIE (*Domestic Science*).....Oxford, Mass.
WHITCOMB, ELEANOR (*Domestic Art*).....Indianapolis, Ind.
WILE, HELEN (*Kindergarten*).....Rochester, N. Y.
WILLETT, ETHEL MITCHELL (*Hospital Economics*).....Needham, Mass.
WILLIAMS, INA (*Primary*).....Columbus, Ga.
WILLIAMS, SUSAN ELIZABETH (*Elementary*).....New York City
WILMOT, RUTH ALTA (*Domestic Art*).....Grand Rapids, Mich.
WITCHER, LOIS WISE (*Manual Training*).....Athens, Ga.
WOOSTER, MINNIE AMELIA (*Fine Arts*).....Newport, N. Y.

UNCLASSIFIED STUDENTS

BARNARD, IDA CRAWFORD..... New York City
BAZINET, ANGELINE.....New York City
BERGANIMI, RACHEL.....New York City
BLANCHARD, CAROLINE DEAN.....Salt Lake City, Utah
COLE, SIBYL OSBORN.....Englewood, N. J.
COLLINS, ANNIE EATON.....New York City
GAMMON, SUSIE MARIE.....Cedartown, Ga.
GODFREY, LYDIA BOKER.....Lake Placid Club, N. Y.
GOODRICH, MARY MURRAY.....Lee, Mass.
HANSFORD, FRANCES PIERCE.....New York City
HELLER, MARY ELIZABETH.....Eastport, Md.
HILL, HELEN GRANT.....New York City
HOLMES, AMY ELIZABETH.....New York City
KOMOLL, CORNELIA TOWER.....Middletown, N. Y.
LEONARD, CAROLINE WILTSE.....Bayonne, N. J.
LITTELL, ELIZABETH DUVAL.....New York City
NOLAN, ANNIE A.....New York City
PHELPS, WILHELMINA W.....Utica, N. Y.
POLLARD, GERTRUDE.....New York City
PRIBBLE, EVALIN ELIZABETH.....Anoka, Minn.
RUSSELL, MARTHA MONTAGUE.....New York City
SACKETT, HELEN A.....Nutley, N. J.
SHAFFNER, CARRIE LISETTA.....Winston-Salem, N. C.

SIEWERS, GRACE LOUISE.....Winston-Salem, N. C.
SIMAR, THERESE EVA.....New York City
SMITH, MINNIE ISABEL.....New York City
SOLOMON, CLARA BELLE.....Charleston, S. C.
THOMPSON, GARDO.....Port Colburne, Can.
TOMES, MARGARET ANNE.....Washington, D. C.
TRAPP, METHA.....Trenton, N. J.
VAN VORT, RAY VIRGINIA.....Richmond, Va.
WALLACE, LUCY BRYANT.....New York City
WEAVER, RAYMOND MELBOURNE.....New York City
WESSA, ALICE.....New York City
WHITTEMORE, ELIZABETH BROWNING.....New York City
WILLIS, ELIZABETH MARY.....Augusta, Ga.

SUMMER SESSION, 1907

The following matriculated students, not in residence during the academic year 1907–8, were in attendance at the Summer Session of 1907.

ABBOTT, EMILY MILDRED.....Mansfield, O
ABELL, JULIA LORANIA.....Chicago, Ill.
ACKLES, MRS. FRANK H.....Chiclayo, Peru
ALLEBACH, ANNIE J.....East Orange, N. J.
ALLEN, DEWITT CLINTON.....Hartford, Ct.
ALLEN, FREEMAN HARLOW.....Potsdam, N. Y.
ARTHUR, LUCY ANNE.....Chicago, Ill.
BACHRACH, SIMON.....New York City
BAGLEY, JESSICA.....Oneonta, N. Y.
BAMBERGER, FLORENCE EILAN.....Baltimore, Md.
BARNETT, D'ARCY CORNWELL.....Cambridge, Md.
BARTLETT, MARY ELIZABETH.....Lewiston, Me.
BEHA, JOSEPH LOUIS.....Constableville, N, Y.
BENEDICT, CHARLES ALBERT.....Port Jervis, N. Y.
BESANCON, BEATRICE ELIZABETH.....Hoboken, N. J.
BLESSING, CHARLES WINNE.....Slingerlands, N. Y.
BRECKENRIDGE, ELIZABETH.....Louisville, Ky.
BRIDGMAN, ARTHUR OTIS.....Lyons Falls, N. Y.
BROGDEN, LAUTREC CRAMER.....Kinston, N. C.
BROWN, HELEN CHURCHILL.....Schenectady, N. Y.
BROWN, THOMAS QUINCY.....Morristown, N. Y.
BYERS, ALICE CARY.....Darling, Pa.
CALDWELL, HUGH HARRIS.....Charlotte, N. C.
CAMERON-MORROW, MRS. NANNIE RODELEIA.....Fairmont, W. Va.
CAMP, GEORGE WASHINGTON.....Villa Rica, Ga.
CANTWELL, GUY.....Westfield, Ind.
CARNEY, EMMA FRANCIS.....LeRoy, N. Y.
CARTER, EMILY BARKER.....Bellingham, Wash.
CAULFIELD, BRIDGET M. F.....New York City
CLARK, ANNA WASHBURN.....Scranton, Pa.
CLAUSS-KIRSTEN, MRS. MARTHA.....New York City
COHEN, JAMES.....Chelsea, Mass.
COOK, ANNA DOLORES.....St. Louis, Mo.
CORNELL, HAZEL MAY.....Louisville, Ky.
CRAIG, ELIZABETH JANE.....Marion Centre, Pa.
CRAWFORD, FREDERIC MULL.....Williamsburg, Va.
CRAWFORD, RICHARD MCLEOD.....Williamsburg, Va.
CUNNINGHAM, MARY AGNES.....St. Paul, Minn.
CURTISS, MAUDE LOUISE.....Utica, N. Y.

DAKIN, WILSON SHELDON.....Northampton, Mass.
DALY, IDA MAY.....Washington, D. C.
DANIELSON, CARL.....New York City
DORSEY, CYNTHIA LAURA.....New York City
EMMONS, MISS MARY.....Frenchtown, N. J.
ETHERIDGE, PEARL HUNTLEY.....Hamburg, Ark.
FITTS, ADA ROSE.....Washington, N. J.
FLOREZ, LUIS.....Santiago, Chile
FORDTHAN, LETITIA MYRTLE.....Port Arthur, Tex.
FRIEDMAN, EMANUEL.....New York City
GASTON, MABEL.....Somerville, N. J.
GIFFORD, SUSAN.....Fairhaven, Mass.
GLENN, ELVA MAY.....Walden, N. Y.
HACKNEY, LILLIAN MAY.....Morgantown, W. Va.
HALSEY, MARY.....Charleston, S. C.
HANN, RUTH PENMAN.....Scranton, Pa.
HARVEY, ELIZABETH MCKENDRU.....Louisville, Ky.
HEWINS, NELLIE PRISCILLA.....Elmhurst, L. I.
HOBBS, JESSE VINTON.....Baltimore, Md.
HOFFMEIER, DAISY EDNA.....Lancaster, Pa.
HOLLINGSWORTH, LOUISE MARGARET.....Scotch Plains, N. J.
HOSTERMAN, JOHN SCHOLL.....Philipsburg, Pa.
HUGHES, SARA MONITA.....Ridgewood, N. J.
HUTCHINSON, JAMES HOWARD.....East Bloomfield, N. Y.
HYDE, MARTHA.....New York City
JOHNSON, GRACE FRANCES.....Washington, D. C.
JOHNSON, HANNAH MAY.....Washington, D. C.
JOHNSON, WORTHY.....Point Peter, Ga.
KALB, JOHN ALBERT.....Milburn, N. J.
KEAGEY, ESTHER.....Ocean Grove, N. J.
KIKWOOD, ARA.....West Hoboken, N. J.
KOCH, CHARLES DISON.....Philipsburg, Pa.
LAMB, MARY ADALINE.....Brighton, Col.
LEITNER, ALMENA.....Bartow, Fla.
LINVILLE, EVA BOYLE.....Sheridan, Mo.
LOCKEY, JOSEPH BYRNE.....Pensacola, Fla.
LOEB, JOSEPHINE.....Albany, N. Y.
LOVEJOY, SARA C.....Farmington, Ct.
LYND, MARGARET LOUISE.....New York City
MCFARLAND, MARY ELIZABETH.....New York City
MCKINLEY, JAMES GORDON.....New York City
MACGREGOR, KATE MILLER.....Hilburn, N. Y.
MACK, MARY SMITH.....Denver, Col.
MADDOCK, CATHARINE MAY.....Murfreesboro, Tenn.
MAIN, ESTELLA.....New York City
MAETZE, PAULINE.....Bellville, Tex.
MASON, KATE JULIETTE.....Cleveland, O
MERRELL, RUTH.....Agawam, Mass.
MICHAELSON, KLARA MARIE.....Minneapolis, Minn.
MILLER, EDWARD ALANSON.....Oberlin, O.
MISCHLICH, ADOLPH.....New York City
MORELOCK, OLIVER JAMES.....Lockport, N. Y.
MORGAN, M. ELLA.....Washington, D. C.
MORLEY, SARAH AGNES.....Cleveland, O.
MORRIS, FREDERICK KUHNE.....New York City
MORSE, LOUIS THEODORE.....New York City
NEFF, ISABEL HOWARD.....Cincinnati, O.

Newbury, Maud Christine.....Woolford's, Md.
Nosworthy, Emily.....New York City
Owens, Annie Mary.....Tyrone, Pa.
Parker, Francis Pratt.....Newport, Minn.
Pickett, William J.....Worcester, N. Y.
Pierson, Harry.....Oradell, N. J.
Pike, Gwendoline.....New Rochelle, N. Y.
Pike, Lilian Mary.....New Rochelle, N. Y.
Polk, Annie Elizabeth.....Louisville, Ky.
Porter, Evelyn.....Louisville, Ky.
Prendergast, Katharine Irine.....St. Paul, Minn.
Pride, Virginia Lee.....Port Elizabeth, Cape Colony, S. Africa
Proudfoot, Mary Amelia.....New York City
Prouty, Iris Gertrude.....Spencer, Mass.
Quilliard, Margaret Jacot.....Duluth, Minn.
Race, Henrietta V.....Winfield, Kan.
Rapeer, Louis Wm.....Minneapolis, Minn.
Reed, Joseph Ambrose.....Seattle, Wash.
Richardson, Alice Mary.....Elgin, Ill.
Ries, Henry R.....East Stroudsburg, Pa.
Riordan, Katharine Irene.....New York City
Roberts, Dora.....Keyport, N. J.
Rose, Flora.....New York City
Rossen, Ellis.....New York City
Sands, Beatrice.....Salem, N. J.
Saraum, Christine Elizabeth.....Poughkeepsie, N. Y.
Saunders, Cecilia Mabel.....Westfield, Mass.
Schwalmeyer, Emma Maud.....Bartow, Fla.
Shaw, Mrs. Julia Williamson.....Washington, D. C.
Shelton, Francis Veronica.....New York City
Sherman, Dorothea Foote.....Ash Grove, Fairfax Co., W. Va.
Sherrard, Elizabeth Matthews.....Crozet, Va.
Sime, George Brown.....New York City
Sliney, Katherine Agnes.....St. Paul, Minn.
Smith, Annie Hoffecker.....Pocantico Hills, N. Y.
Smith, Cecile Emmorine.....Westchester, Pa.
Smith, Henry Lester.....Bloomington, Ind.
Sperry, George Thomas.....New York City
Stanton, William Layton.....Scarsdale, N. J.
Steinbrenner, Louise.....Lowville, N. Y.
Stevens, Annie Winn.....Brunswick, Ga.
Storer, Helen Maye.....Susquehanna, Pa.
Stull, Bessie Adell.....Auburn, Neb.
Tamagno, Grace.....New York City
Tate, James Howard.....New York City
Thomes, Lillian Vincent.....Cripple Creek, Col.
Van Nostrand, Nora A.....New York City
Van Rensselaer, Martha.....Ithaca, N. Y.
Wallace, Florence Didier.....Baltimore, Md.
Watkins, Catherine Rose.....Washington, D. C.
Wayman, Grace Louise.....New York City
Webb, Marquis De.....Madison, Ind.
Weller, Le Roy.....Fort Plain, N. Y.
Welles, Louise Maude.....South Manchester, Ct.
Westervelt, Edmund C.....New York City
White, Edward Nelson.....Acushnet, Mass.
Wilcox, Mrs. Lucia Chamberlain.....Cleveland, O.
Wing, Francis Herbert.....Gowanda, N. Y.

WYNN, WILLIAM THOMAS.....Enterprise, Ala.
ZABRISKIE, EDWARD CORNELL.....New York City

SUMMARY

Graduate Students:		
Candidates for Doctor's Degree and Diploma	49	
" " Master's Degree and Diploma	133	
		182
II. Professional Students:		
Candidates for Bachelor's Degree and Diploma, and for Special Diplomas:		
For Teaching in Secondary Schools: Biology 11, English 47, French 7, Geography 5, German 23, History 29, Latin 9, Mathematics 35, Physical Science 6, in Secondary Schools (major not stated) 4, in Elementary Schools 40, in Kindergartens 72, Domestic Art 53, Domestic Science 50, Fine Arts 54, Hospital Economics 9, Manual Training 50, Music 2, Nature-Study 1, Physical Education 28, Supervising in Kindergartens or Elementary Schools 59, Candidates for the Bachelor of Science Degree only 4	628	
		810
III. Unclassified Students	45	
		855
Less duplicate counts, students candidates for more than one diploma	5	
Total resident registration		850
IV. Additional matriculated students, Summer Session, 1907	154	
Net total matriculated students		1007
V. Students from other parts of the University	245	
Total matriculated students		1252
In addition to the above there are non-matriculated (extension) students registered at Teachers College		1526

There are also 1012 pupils in the Horace Mann School and 220 in the Speyer School, total 1232.

COLLEGE OF PHARMACY

OFFICERS AND TRUSTEES

NICHOLAS MURRAY BUTLER.....*President*
EWEN MCINTYRE.....*Honorary President*
CHARLES F. CHANDLER.....*Vice-President*
WILLIAM JAY SCHIEFFELIN.....*Vice-President*
HERBERT D. ROBBINS.....*Vice-President*

Terms expire 1908

WILLIAM C. ALPERS
MAX J. BREITENBACH
CHARLES S. ERB
LEO W. GEISLER, JR.
HENRY IMHOF

Term expires 1909

F. W. CARPENTER
ARTHUR H. ELLIOTT
THOMAS P. COOK
HIERONIMUS A. HEROLD
ALBERT PLAUT

Term expires 1910

OTTO P. AMEND
ADOLPH HENNING
DUDLEY T. LARIMORE
ROBERT S. LEHMAN
REUBEN R. SMITH

CLARENCE O. BIGELOW.....*Treasurer*
THOMAS F. MAIN.....*Secretary*
HARRY B. FERGUSON.....*Assistant Secretary*

OFFICERS OF INSTRUCTION

Officers of the Faculty

HENRY H. RUSBY, M.D....*Dean and ex-officio Member of the University Council*
GEO. C. DIEKMAN, Ph.G., M.D.....*Secretary*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.) *President*
CHARLES F. CHANDLER, A.M., Ph.D., M.D., LL.D., Sc.D., *Professor of Organic Chemistry*
ARTHUR H. ELLIOTT, Ph.D., F.C.S..*Professor Emeritus of Chemistry*
HENRY H. RUSBY, M.D.....*Professor of Materia Medica*
VIRGIL COBLENTZ, A.M., Phar.M., Ph.D., F.C.S., *Professor of Chemistry*

GEORGE C. DIEKMAN, Ph.G., M.D.....*Professor of Pharmacy*
JOHN OEHLER, Ph.G.....*Adjunct Professor of Chemistry*
WILLIAM J. GIES, Ph.D.....*Professor of Biological Chemistry, Columbia University*
CARLTON C. CURTIS, Ph.D..*Instructor in Botany, Columbia University*
ANTON VORISEK, Phar.D.....*Professor of Analytical Chemistry*
WILLIAM MANSFIELD, Phar.D.....*Acting Professor of Pharmacognosy*
CLINTON B. KNAPP, M.D.....*Professor of Bacteriology*

Other Instructors

CURT P. WIMMER, Phar.D.....*Instructor in Pharmacy*
FREDERICK A. LESLIE, Phar.D.....*Instructor in Analytical Chemistry*
CHARLES W. BALLARD, Ph.C.....*Instructor in Materia Medica*

OTHER OFFICERS OF ADMINISTRATION

JAMES H. CANFIELD, LL.D., Litt.D.....*Librarian of the University*
F. P. KEPPEL, A.B.....*Secretary of the University*
RUDOLF TOMBO, JR., Ph.D.....*Registrar of the University*
HENRY LEE NORRIS, M.E....*Superintendent of Buildings and Grounds*
VIRGIL COBLENTZ, Ph.D.....*Librarian to the College of Pharmacy*
CLARA A. KERKER..*Custodian of the Library of the College of Pharmacy*

GENERAL STATEMENT

The College of Pharmacy of the City of New York, founded in 1829, chartered in 1831, and recognized in 1879 by the Regents as part of the University of the State of New York, became a member of the educational system of Columbia University on July 1, 1904. The President of the University is *ex-officio* President of the College of Pharmacy, and the College is represented in the University Council by its Dean, who is appointed by the Trustees of the College of Pharmacy on the nomination of the President. The College, however, maintains its separate corporate organization, and its Trustees continue to provide for its financial support.

The College of Pharmacy is thus the professional school of Columbia University for pharmacists and pharmaceutical chemists and, as well, a valuable addition to the University's resources for teaching and research in botany and materia medica.

The following courses of study are offered:

1. A college course, consisting of a junior and senior year, leading to the degree of Graduate in Pharmacy, conferred by the College independently of the University, and qualifying the graduate to meet any examination for the position of licensed pharmacist. This course is open, according to statute, only to persons holding the Pharmacy

Students' Certificate, granted by the State Education Department for 15 Regents' counts or their equivalent. The work undertaken is as follows: Junior year—physics, general and pharmaceutical chemistry, analytical chemistry, mathematics of pharmacy, practical pharmacy, dispensing pharmacy, botany, pharmacognosy, physiology, and toxicology. Senior year—organic chemistry, inorganic and organic pharmaceutical chemistry, analytical chemistry, practical pharmacy, dispensing pharmacy, materia medica, toxicology, commercial pharmacognosy, histological pharmacognosy.

2. A University course of 2 years leading to the degree of Pharmaceutical Chemist, conferred by the University. This course is open only to persons holding the Regents' academic equivalent certificate granted for 60 Regents' counts, or the corresponding certificate of Columbia University or of the College Entrance Examination Board. The work undertaken in this course differs from that of the College course in being of a somewhat more advanced character, and in being pursued through the full academic year. Part of this work is performed by the medical department of the University.

3. A third or graduate course of one year, open to pharmaceutical chemists of this or other schools of equal grade or those holding equivalent degrees, leading to the degree of Doctor of Pharmacy. This course is designed to fit graduates for positions as analysts and microscopists, and for making urinary analyses, bacteriological examinations, and performing other work of the kind. It consists of practical work in plant analysis, technical microscopy and bacteriology, quantitative and organic analysis, and lecture courses in the theory and practice of inorganic quantitative analysis, commercial organic analysis and toxicology, and physiological chemistry.

4. A course of one year in the microscopical and chemical analysis of foods and drugs. This course is open to all graduates of this College, and to those of other colleges whose training has qualified them to perform the necessary work. A Summer Preparatory Course of twelve weeks is provided for those who, for any reason, require training in special subjects as a preparation for the Food and Drug Course.

5. A number of special courses of instruction have also been established, partly for the benefit of those regular students who desire, for any reason, to specialize in certain lines of work, and partly to provide instruction in individual departments for those who do not desire to take the full course. Certificates, but not diplomas, are awarded to such students. These special courses of instruction are in pharmacognosy, chemical analysis, advanced inorganic and organic chemistry, and practical pharmacy.

The College is situated at 115 West 68th Street, near Columbus Avenue, in an especially well-equipped building erected in 1894.

Admission

Students who are to be examined for admission will be examined either at the Regents' examination, or at the January and September entrance examinations of Columbia University, or of the College Entrance Examination Board, which are held in June of each year. (See pages 154–162.)

Method of Instruction

During the junior and senior years the instruction occupies three days of the week, the alternate days being free for that practical experience in the pharmacy which is required by Boards of Pharmacy. This arrangement enables students to meet the Board requirements, and it also provides a means of paying the expenses of a majority of students.

Many students, under the advice of the Faculty, prefer to devote the entire time of the second year to college work. For those so desiring, additional instruction is provided.

In addition to lectures and laboratory work a series of recitations or quizzes, by a corps of qualified instructors, is given to the students in small sections.

Prizes

(See page 415)

REGISTER OF STUDENTS

COLLEGE OF PHARMACY

Junior Class

Ackerman, Maurice ..... New York City
Adams, Le Roy ..... Plainfield, N. J.
Bauman, Jacob A. ..... Perth Amboy, N. J.
Berbert, Lyn ..... Hastings-on-Hudson, N. Y.
Bernstein, Samuel ..... New York City
Boehme Louis F. ..... New York City
Brady, James J. ..... Weehawken, N. J.
Brancato, Frank ..... New York City
Branower, George I. ..... New York City
Branower, Solomon I. ..... New York City
Brett, Clarence J. ..... Newport, N. Y.
Breuer, Nathan ..... New York City
Burstan, Jacob ..... Middletown, Del.
Bussell, Morris ..... New York City
Caputi, Carmello T. ..... New York City
Carson, John J. ..... Oneonta, N. Y.
Coester, Brower B. ..... Middletown, N. Y.
Cohen, Alexander ..... New York City
Coles, Thomas, Jr. ..... Wisconisco, Pa.
Cooper, Abraham ..... New York City
Denike, George C ..... Ossining, N. Y.
Desanctis, Francesco ..... New York City
Dice, Willis C. ..... Allegheny, Pa.
Di Nolfo, Leonard ..... New York City
Edelberg, Morris ..... New York City
Egerman, Jacob ..... Yonkers, N. Y.
Feldman, Jaçob ..... New York City
Friedman, Jacob ..... New York City
Frucht, Gerald ..... New York City
Giacalone, Vincenzo ..... New York City
Ginsberg, William ..... New York City
Ginsburg, David ..... New York City
Gluckman, Harry ..... New York City
Goldmann, Max ..... New York City
Gordan, Joseph ..... New York City
Gorton, Graham F. ..... Summit, N. J.
Grodinsky, Hyman ..... New York City
Guardi, Joseph ..... New York City
Gussman, Lewis ..... Brooklyn, N. Y.
Haefeli, William ..... College Point, N. Y.
Hasan, Herman ..... New York City
Herstfield, Alfred ..... New York City
Hindes, Samuel ..... New York City
Johnson, George ..... West New Brighton, N. Y.
Kelly, Albert S. ..... Attoway, Va.

KINGSTON, FREDERICK D. ..... Newburgh, N. Y.
KLEBE, KURT B. ..... New York City
KLEIMANN, MORTIMER V. ..... New York City
KRAUSE, OSCAR E. ..... New York City
LACOVARA, ANTHONY ..... New York City
LEVITCH, FRANCES ..... Brooklyn, N. Y.
LEVY, MOSES ..... New York City
LIMICK, SEIMAN ..... West Hoboken, N. J.
LOEW, MORRIS ..... New York City
LOEWENTHAL, PAUL ..... New York City
LONIS, JOHN E. ..... Frankfort, N. Y.
LUSTIG, BERNARD ..... New York City
MCFARLANE, JOHN M. ..... Fishkill-on-Hudson, N. Y.
MCMANUS, JAMES P. ..... Brewster, N. Y.
MARTOCCIO, ANTHONY ..... New York City
MATERA, ANTONIO ..... New York City
MILLER, LIONEL F. ..... Saranac Lake, N. Y.
MINKIN, NOAH ..... New York City
MORRISON, WILSON B. ..... Lisbon, O.
MOORE, WILLIAM S. ..... Newburgh, N. Y.
MUNDARO, EMIL ..... New York City
MUSTER, WILLIAM ..... New York City
OATES, EDWARD B. ..... Paterson, N. J.
PACHMAN, LOUIS ..... Brooklyn, N. Y.
PISCULLI, DOMENICO M. ..... New York City
POLONSKY, HENRY ..... New York City
PTACEK, JOHN C. ..... Oswego, N. Y.
REED, GEORGE C. ..... Oswego, N. Y.
REGELSON, MORRIS ..... New York City
ROSENBLUM, MICHAEL ..... New York City
SALINITRO, NICHOLAS ..... New York City
SALOMAN, SAMUEL W. ..... New York City
SAPHIRO, ISIDOR ..... New York City
SCHNEIDERMAN, WILLIAM ..... New York City
SCHROEDER, OTTO L. ..... New York City
SLOWINSKY, MORRIS ..... New York City
STEAD, THEODORE H. ..... Norwich, Conn.
STOCKHOFF, HERMAN J. ..... Rutherford, N. J.
STOLLER, SAMUEL ..... New York City
STREHL, FRANK P. ..... Paterson, N. J.
STROH, HENRY P. ..... Jamaica, N. Y.
TARTAK, LEON ..... New York City
TAUBE, JULIUS ..... New York City
TOW, NICHOLAS ..... New York City
TOW, SIEGFRIED ..... New York City
TYMPANY, WILLIAM H. ..... Stapleton, N. Y.
WEINKLE, LEO H. ..... Jacksonville, Fla.
WESTERMAYR, FRIEDA C. A. ..... Portchester, N. Y.
WINDT, BENN ..... New York City
WOUTERS, HERBERT C. ..... Jersey City, N. J.
ZEVIE, SOLOMON ..... New York City
ZIMMER, ISIDORE ..... Bayonne, N. J.

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JUNIOR UNIVERSITY STUDENTS

BEAN, FRANCIS L. ..... McGraw, N. Y.
CORNISH, STANLEY D. ..... Carmel, N. Y.

ETLER, JACOB ..... New York City
GOLOB, MAX ..... New York City
GREENWOOD, SAMUEL B ..... Newark, N. J.
HAMILTON, JAMES L. ..... Presque Isle, Me.
JENNINGS, RALPH C. ..... Summit, N. J.
KATIBAH, SELIM I. ..... New York City
KINGSBURY, EARLE J. ..... Little Falls, N. Y.
KRAPF, EMILE F. ..... New York City
LICHTENSTEIN, ISIDOR ..... New York City
LINDSLEY, LEON J. ..... Corry, Pa.
MATTHEWS, ARTHUR T. ..... Scranton, Pa.
MCBRIDE, CHARLES A. ..... Rutherford, N. J.
MINER, RODDIE ..... Ocoee, Fla.
PRYOR, KENNETH B. ..... Wappinger's Falls, N. Y.
PSAKI, CONSTANTINE G. ..... New York City
SCHLESINGER, MALCOLM L. ..... New York City
STEFFENS, JOHN A. ..... Brooklyn, N. Y.
STOCKHAMMER, RAYMOND J. ..... New York City
ULNOFF, FRANCES ..... New York City
WEILD, DAVID ..... Brooklyn, N. Y.
WHITEHEAD, FRANK E. ..... Morristown, N. Y.

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Senior Class

ALPERS, OTTO ..... New York City
BAHR, THEODORE F. ..... Jersey City, N. J.
BARTH, FRED E. ..... Greenpoint, N. Y.
BENDT, GEORGE W. ..... New York City
BLATZ, LOUIS T ..... New York City
BLOCK, ABRAHAM J. ..... New York City
BONGARTZ, CARL G ..... Jersey City, N. J.
BOYD, ALFRED O ..... New York City
BRECKLIEN, OSCAR L. ..... Kansas City, Mo.
BRODSKY, MICHAEL H. ..... New York City
BROOKS, FRED S. ..... Schroon Lake, N. Y.
BROWNELL, ERWIN J. ..... Mexico, N. Y.
BURROUGHS, EDWARD A. ..... New York City
CITTADINI, ANTONIO ..... New York City
COLEMAN, BYRAM E. ..... Boonton, N. J.
DELVECCHIO, FELIX ..... Newark, N. J.
DEPUY, JAY JACOB ..... Ellenville, N. Y.
FEELEY, MARTIN J., JR ..... New York City
FEUEREISEN, HAROLD ..... New York City
FINKENBERG, JEROME ..... New York City
FINKELSTEIN, WILLIAM ..... New York City
FINN, WILLIAM P. ..... Danville, N. Y.
GASPARD, CHARLES F. P. ..... New York City
GESELL, HANS W. ..... Hoboken, N. J.
GLATT, CLARENCE B. ..... Whitesboro, N. Y.
GOODWIN, JOSEPH M. ..... So. Norwalk, Ct.
GORDON, ARTHUR H. ..... Marlboro, N. Y.
GUILD, MAX ..... New York City
HALL, WILLIAM W. ..... Baltimore, Md.
HEINE, FREDERICK W. ..... New York City
HENGGELER, JOHN P. ..... Paterson, N. J.
HENRIKSEN, ARTHUR L. ..... Brooklyn, N. Y.
HOHMANN, GEORGE ..... New York City

HORNBY, LAURA B. (MRS.) ..... Phillipsburg, N. J.
JURGENSEN, KARL H. ..... New York City
KAUFMAN, LLEWELLYN M. ..... Kutztown, Pa.
KOPEJZNA, JOSEPH A. ..... Long Island City, N. Y.
LEOPOLD, CHARLES H. ..... New York City
LEVITOW, ISRAEL ..... Hartford, Conn.
LINDSAY, GEORGE A. ..... New York City
MCCANN, GEORGE W. JR. ..... Springfield, O.
NELSON, WILLIAM A. ..... Perth Amboy, N. J.
OBERLE, HENRY E. ..... New York City
OSBORN, EUGENE C. ..... Davenport, Ia.
POLLOCK, SAMUEL ..... Weehawken, N. J.
PRECIADO, MANUEL C. ..... Panama, Panama
PULLEN, CLIFFORD P. ..... Boothbay Harbor, Me.
RABINNOVITZ, DAVID ..... San Carlos, Arizona
RAMIREZ, FRANK J., JR. ..... New York City
RESNICK, FELIX ..... New York City
RINGLER, ISIDOR F. ..... New York City
ROES, CHARLES M. ..... Brooklyn, N. Y.
ROSSOMANO, DOMINICK A. ..... Corona, N. Y.
SAVARESE, ANGELO G. ..... New York City
SAVARESE, JOHN S ..... New York City
SCORZA, SALVATORE ..... New York City
SEPPLES, RICHARD J. ..... Litchfield, Conn.
SHATZKIN, JOSEPH M. ..... Brooklyn, N. Y.
SMITH, WILLIAM MCKAY ..... Bronxville, N. Y.
SNYDER, FREDERICK J. ..... Yonkers, N. Y.
SOBEL, MOSES ..... Newburgh, N. Y.
STRAEHLER, WALTER G. ..... New York City
STILLER, HENRY H. ..... New York City
TEETER, ALBERT A. ..... Plainfield, N. J.
THOMAS, STANLEY W. ..... Yonkers, N. Y.
TIFFANY, FREDERICK L. ..... Bridge Hampton, N. Y.
TRUMAN, NATHAN E. ..... Bainbridge, N. Y.
TUMAN, MEYER ..... Brooklyn, N. Y.
WEINBERGER, ISIDORE ..... New York City

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Senior University Students

ALLEN, THOMAS A. ..... Metuchen, N. J.
BAKER, VIRGINIA ..... Middletown, N. Y.
BLANCO, AUGUSTIN ..... San Juan, Porto Rico
BREUNIG, VIOLA E. ..... Newark, N. J.
BYKOWSKY, HAROLD E. ..... Marlin, Texas
COOPER, HARVEY R. ..... Walden, N. Y.
DALTON, EDWARD O. ..... Syracuse, N. Y.
DAVIS, EDWIN M. ..... Elizabeth, N. J.
DRIGGS, KARL H. ..... Sayre, Penn.
EDELMAN, SAMUEL ..... New York City
EIMER, WALTER R. ..... New York City
ESTRADA, ASUNCION ..... Cardenas, Cuba
FORMAN, EVA S. ..... Newark, N. J.
HECKER, JOHN H. ..... Munster, Germany
KEMBLE, DAISY E. ..... Brooklyn, N. Y.
LEIBERMANN, LEO ..... New York City
MCSWEENEY, JENNIE ..... Long Lake, N. Y.
PANEBIANCO, JOSEPH ..... New York City

PRENCIPE, PASQUALE.....New York City
PEREZ, PEDRO E.....San Domingo, San Domingo
VERNON, RALPH Y.....Florida, N. Y.
WISENDANGER, ESTELLE V. (MRS.).....Woodmere, N. Y.
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GRADUATE COURSE

BALLARD, CHARLES W.....New York City
BLISS, ANDREW R.....Brooklyn, N. Y.
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FOOD AND DRUG COURSE

FRIEDMAN, MORRIS.....New York City
GREGG, JAMES.....New York City
HOFFMANN, FRANK P.....New York City
HOSTMANN, JEANNOT.....Hoboken, N. J.
HULSE, WILLIAM H.....Washingtonville, N. Y.
KLEIN, LOUIS.....New York City
LO SARDO, ANTONIO.....New York City
LOZIER, MERRITT W.....Newburgh, N. Y.
OAKES, JOHN K.....Haverstraw, N. Y.
MORGAN, THURLOW W.....Bluffton, Ind.
OHRINER, JACOB S.....New York City
PEPPMULLER, ERNEST A.....New York City
RITTER, CLARENCE J.....Yonkers, N. Y.
SCHICK, EUGENE M.....Bethlehem, Penn.
TWIGGAR, LEE W.....Ossining, N. Y.
WEISS, SAMUEL A.....Yonkers, N. Y.
WOLFRAM, MAX.....Brooklyn, N. Y.
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SUMMER SESSION

ADMINISTRATIVE BOARD

James Chidester Egbert, Ph.D.
Professor of Latin, Director of the Summer Session

Frederick J. E. Woodbridge, LL.D.
Johnsonian Professor of Philosophy

Frederick Paul Keppel, A.B.
Secretary of the University

Clyde Furst, A.M.
Secretary of Teachers College

William Addison Hervey, A.M.
Adjunct Professor of Germanic Languages and Literatures

OFFICERS OF INSTRUCTION

Session of 1907

In the University Faculties and Schools

Professors—Bigelow, Botsford, Burr, Burton-Opitz, Cohn, Egbert, Grabau, Hervey, Jackson, Kasner, Keyser, Loiseaux, Lucke, Maclay, McCrea, McWhood, Mayer, Montague, Morgan, Odell, H. C. Sherman, Trent, Tufts, Vulté, Woodbridge, Woodworth.

Instructors—Miss Earhart, Fauver, Miss Fulmer, Miss Hill, Jordan, Miss Kirchwey, Ling, McCastline, Noyes, Remy, Stone Weick.

Tutors—Beans, Chambers, Fitz-Gerald, Gill, Heuser, Joüet Maxson, Porterfield, Thatcher.

Lecturer—Sinclair.

Assistants—Miss Benton, Farwell, Miss Stackpole, Steeves, Woodman.

Other Officers of Instruction

Herman Vandenberg Ames, Ph.D., *History;* Edward P. Cheyney, A.M., *History;* Elwood P. Cubberley, Ph.D., *Education;* Joseph Villiers Denney, A.B., *English;* Edward Charles Elliott, Ph.D.,

Education; Robert Herndon Fife, Jr., Ph.D, *German;* Ernest Norton Henderson, Ph.D., *Education;* George Holston, *Drawing;* Bertha M. Hopkins, A.M., *Physical Education;* George Kriehn, Ph.D., *Fine Arts;* Fred Eugene Leonard, M.D., *Physical Education;* Ernest Hiram Lindley, Ph.D., *Psychology;* Archibald M. MacMechan, Ph.D., *English;* Roswell Cheney McCrea, Ph.D., *Economics;* Charles Riborg Mann, Ph.D., *Physics;* Maude Allene Monroe, A.B., *Physical Education;* William E. Mott, S.B., *Civil Engineering;* Thomas Andrew Storey, Ph.D., *Physical Education;* Duane Reed Stuart, Ph.D., *Latin;* Chauncey R. Thomas, *Manual Training;* Frank Ernest Thompson, A.B., *Education;* Oliver Miles Washburn, A.B., *Greek;* Roland Hugh Williams, A.M., *Chemistry;* Wealthea A. Wilson, *Domestic Science;* Frederic A. Woll, *Physical Education;* Mary Woods, *Manual Training.*

Assistants

Henry Blumberg, *Mathematics;* William H. Boynton, *Domestic Science;* Frank G. Bruner, *Psychology;* Laura Falls, *Manual Training;* George Thomas Holm, *Swimming;* Clara Chaney James, *Education;* Frances Jenkins, *Education;* Alice Cynthia King, *Education;* H. L. Parr, *Mechanical Engineering;* R. R. Renshaw, *Chemistry;* Anna C. Thornton, *Physical Education;* Walter George Whitman, *Chemistry;* Elvira Wood, *Geology.*

GENERAL STATEMENT

The eighth Summer Session of the University opened July 9, 1907, and closed August 17. The registration days for the Summer Session were July 5, 6, and 8. Examinations for certificates were held on August 17.

Courses were offered to men and women on equal terms, in chemistry, domestic science, drawing, economics, education, engineering (civil and mechanical), English (including rhetoric and composition), fine arts, geography, geology, German, Greek, history, kindergarten, Latin, manual training, mathematics, music, nature study, philosophy, physical education, physics, physiology, psychology, and Romance languages.

Each course consisted of thirty lectures or other exercises, or their equivalent in laboratory or field work. Credit for such courses in the Summer Session as are accepted by the several Faculties of the University in partial fulfilment of the requirements for degrees or for diplomas in teaching is given upon the satisfactory completion of the course, including the final examination.

Fees

(See page 28)

The tuition fee for the Summer Session is $30, which covers courses

of instruction aggregating six points credit, the normal limit allowed by the regulations.

For the *Announcement* of the Summer Session of 1908, which will open July 7 and offer a wide range of courses, or for information regarding dormitory accommodations, or board and lodging, address the Secretary of Columbia University, New York.

Summer Courses in Medicine

The fifth series of Summer Courses in Medicine for men was offered in 1907. Courses were given in applied therapeutics, clinical pathology, dermatology, genito-urinary diseases, gynecology, laryngology, medical diagnosis, neurology, obstetrics, ophthalmology, orthopedic surgery, otology, physical diagnosis, physiology and surgery.

This work will be continued in the summer of 1908, and persons interested are requested to apply for the *Announcement* of the Summer Courses in Medicine, which will be furnished without charge upon application after February 1 to the Secretary of the University.

Registration, Session of 1907

Copies of the separately printed *Directory of the Summer Session, 1907*, may be had upon application to the Secretary of the University. In this catalogue, at the end of the Register of Students under each Faculty, will be found a list of the Summer Session Students of 1907 who matriculated under that Faculty, but who did not return to register in September.

SUMMARY

I.	Non-matriculated		734
II.	Matriculated:		
	1. Columbia College	63	
	2. Barnard College	37	
	3. Applied Science	131	
	4. Fine Arts	2	
	5. Political Science	20	
	6. Philosophy	154	
	7. Pure Science	41	
	8. Teachers College	167	
	9. College of Pharmacy	1	616
			1350
Summer Session in Medicine:			
	1. Non-matriculated	27	
	2. Matriculated	15	42
	Total		1392

EXTENSION TEACHING

ADMINISTRATIVE BOARD

James Earl Russell, LL.D.,
Dean of Teachers College, Chairman

Adolphe Cohn, LL.B., A.M.,
Professor of the Romance Languages and Literatures

Franklin Thomas Baker, A.M.,
Professor of the English Language and Literature

Herbert Gardiner Lord, A.M.,
Professor of Philosophy

Frederick Henry Sykes, Ph.D.,
Professor of English, Director of Extension Teaching

OFFICERS OF INSTRUCTION

In the University Faculties and Schools

Professors—Hamlin, Jackson, Cohn, Clark, Speranza, Woodhull, Baker, Parker, Dodge, Biklé, McMurry, Monroe, Dutton, Crampton, Thorndike, Brewster, Knapp, Woodbridge, Bagster-Collins, Sykes, Loiseaux, Hervey, Tombo, Stoughton, McWhood, Spingarn, Dow, Tufts, Shotwell, Page, Johnson, Snedden, Krapp, Remy, Montague, Beard, Jordan, Suzzallo.

Instructors—Harriman, Noyes, Ling, Warren, Curtis, Mitchell, Braun, Fitzgerald, Barrows.

Tutors—Muller, Heuser, Maxson, Gill, Brown, Morrison, Bates, Kunze.

Lecturers—Hodge, Wissler, Parker (W.B.), Tassin, Richard, Upton, Hayes (C.H.), Cole (P.R.).

Assistants—Zerbe, Bigongiari, Boynton, Cartwright, Macgregor, Foote, Lawson, Daschbach, Thurston, Williams, Greiff.

Other Officers of Instruction

James Hulme Canfield, A.M., LL.D., *History;* Clyde Furst, A.M., *English Literature;* Thomas Whitney Surette, *Music;* Mari Ruef Hofer, *Music;* Daniel Gregory Mason, A.B., *Music;* Clayton M. Hamilton, A.M., *English;* Charles Johnston, *History;* Marion B. B. Langzettel, *Kindergarten Education;* Ada M. Locke, *Kindergarten Education;* Arthur Alexander Stoughton, Ph.D., *Architecture;* Calvin Brainard Cady, *Music;* Ralph Curtis Ringwalt, A.B., LL.B., *English and Political Science;* Walter Boughton Pitkin, A.B., B.D., *Philosophy;* Charles Galwey, A.B., *English;* Albin Hermann Beyer, C.E., *Surveying and Structures;* Allen M. Knowles, B.C.E., *Applied Mechanics;* Harry Bradford Pond, S.B., *Applied Mechanics;* Elizabeth G. Baldwin, *Library Economy;* George Herbert Betts, A.M., Ph.M., *Education;* Michael Marks Davis, Jr., Ph.D., *Political Science;* Stephen Pierce Duggan, Ph.D., *Political Science;* Louis Eugen Jallade, *Architecture;* Harry G. Paul, A.M., *English;* Cliff Winfield Stone, B.S., *Elementary Education;* Clarence Hudson White, *Fine Arts;* Walter George Whitman, A.B., *Chemistry;* Theodore C. Mitchill, A.M., *English.*

GENERAL STATEMENT

1. Extension Teaching is defined by the Statutes of the University as instruction given by University officers and under the administrative supervision and control of the University, either away from the University buildings or at the University, for the benefit of students not able to attend the regular courses of instruction.

Extension Teaching is under the immediate supervision of an Administrative Board and the Director of Extension Teaching. The relation of Extension Teaching to the other work of the University is subject to the jurisdiction of the University Council.

Extension Teaching facilitates and directs instruction for students not in academic residence by means of various courses of instruction given at special times and places, both at the University and elsewhere. The University thus offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue some subjects included in a liberal education and to make progress, if they so desire, towards a diploma in teaching or an academic degree.

2. Subject to the general authority of the University Council, the weight to be attached to attendance upon an Extension course on the part of a student who subsequently makes application to be admitted to candidacy for a degree or diploma is fixed by the appropriate Faculty or Administrative Committee.

COURSES OF INSTRUCTION

The courses offered by Extension Teaching are as follows:

I—Collegiate Courses. These are courses that repeat at special hours or places the courses in liberal studies offered in the colleges of the University—particularly Columbia College and Barnard College. These are given, one or more hours weekly, during the college year, for thirty weeks of actual instruction. They are given in the same manner, and often by the same instructors, as the corresponding courses in the Colleges. University credit, when granted, attaches to those courses as to courses of instruction in the Colleges.

II—Professional and Technical Courses for Teachers. These are courses offered in coöperation with Teachers College, both at the University and in local centres to teachers in active service, who can avail themselves of these courses to get instruction in the psychology, history, and principles of education, special methods of teaching, particularly in elementary work, and technical instruction in the fine and manual arts.

III—Evening Technical Courses. These are courses given with the coöperation of the School of Applied Science and the School of Architecture of the University, and certain technical departments of Teachers College. They are intended to meet the requirements of technical and professional workers who desire to get instruction at night from University instructors in technical courses modified to their particular needs.

IV—Lecture Courses. These are short courses of lectures which are not accepted towards the fulfilment of requirements for degrees or diplomas. They are intended for general audiences, and are given only in local centres.

Students attending courses at the University pay usually at the rate of $10 for each course of one hour a week for thirty weeks. In local centres they pay the fee determined by the local centre. Courses given in local centres usually cost the centre from $260 to $500 for a credit course, and $90 to $150 for a lecture course, the difference depending on the difficulty of the course and the rank of the lecturer.

For detailed information as to the places and hours for these courses both at the University and at the several local centres, the qualifications for admission, the regulations for registration, candidacy for degrees and diplomas, attendance and examinations, the fees prescribed, and for a statement of each course offered, see the *Announcement of Extension Teaching, 1907–08*, which may be obtained without charge upon application to the Secretary of the University.

Collegiate and Professional Courses

For 1907–08 credit courses are offered to non-matriculated students and to matriculants who obtain permission of their dean, as follows:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Anthropology	1	Kindergarten Education	4
Architecture	1	Manual Training	1
Biblical Literature	2	Mathematics	3
Botany	2	Music	11
Chemistry	1	Philosophy	4
Comparative Literature	1	Political Science	1
Education	3	Psychology	1
English	15	Romance Languages (French 4, Italian 1, Spanish 1)	6
Fine Arts	3		
German	7		
History	5		

Technical Courses

The following courses are likewise offered at the University:

Applied Mechanics	5	Industrial Chemistry	2
Architecture	3	Mathematics	2
Domestic Science	1	Surveying and Structures	3
Electricity	2		
Fine Arts	3		

Lecture Courses

For 1907–08 the following lecture courses, each having usually six lectures, are offered for delivery in local centres:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Anthropology	1	Latin	1
Architecture	8	Manual Arts	2
Astronomy	4	Metallurgy	1
Biblical Literature	4	Music	13
Comparative Literature	2	Philosophy	4
Domestic Science	3	Physics	3
Education	2	Political Science	6
English	29	Psychology	3
Fine Arts	6	Romance Languages (French 6, Italian 3, Spanish 2)	11
Geography	5		
German	7		
History	9	Zoölogy	2
Indo-Iranian	4		

DEGREES CONFERRED DURING 1906-07

Columbia College

Bachelor of Arts

William Henry Allen, Jr.
Horace Thurber Aplington
Adolph Bangser
Philip Baum
Harold Kennedy Bell
Samuel Cranston Benson
Louis Berkowitz (February 2)
Henry Carl Betjemann
Henry Bierman
Louis Edward Bisch
Henry Blumberg
Walter Joseph Brennan (February 2)
Charles Raymond Brodix, Jr.
John Weedman Brodix
Frank Cornish Brown (August 16)
Bernard Campbell
William Morgan Carpenter
Henry Eagle Chapin
Harry Joshua Chelimer (August 16)
Frank Chodorov
Thomas Fayette Clark
Edward Trowbridge Collins
George Frederick Comstock
Frederick Linn Cooper (November 6)
Charles Floyd Cornell
Frank Alexander Dickey
Walter Simon Doernberg
Henry Western Eastman
Elias Alexander Edelstein (February2)
Harry Drew Egbert
Maurice George Ellenbogen
William Morris Feigenbaum
Emil Emanuel Fischer
Philip A. Fischer
Herbert Forsch (February 2)
Robert Henry Fowler (September 17)
Louis David Fröhlich
Percy Adolphus Gordon
John McVicar Haight
Frank Clark Hall
Lester Harrisson
Robert Henry Haskell
Lewis French Stearns Hawes
Edwin Henes, Jr.
Ferris Sands Hetherington
Israel Himelhoch
Paul Charles Henry Holter
Frank Louison Hopkins
Allen Tilton Hopping
William Jabine
Charles Frederick Havemeyer Jackson (February 2)
Walter Edward Kelley
Edwin Kirk
Frederick William Kobbé
Frederick Adolph Herman Leuchs
Arthur Saul Levy, Jr.
Hiram Sidney Lewine
Benjamin Abraham Lichter
Theodore August Liebler, Jr.
Theodore McCarthy
Charles Miles McKinlay
George Miner Mackenzie
Ralph Martland
Robert Coolidge Masterton
Charles Mayer
Donald Herbert Truesdell Miller
Jacob Samuel Minkin
Cornelius von Erden Mitchell
Victor William Mori
Alfred Stuart Myers
George Norris
Irving Simon Ottenberg
Harry Victor Emanuel Palmblad
William Grant Palmer
James Lewis Parks, Jr.
Delwyn Walter Peiser
Seth Low Pierrepont
Frederic Cozzens Fitz Randolph
Angus Matthews Raphael
Charles Henry Reges
Charles M. Rolker, Jr.
Edwin Joseph Rosenbaum
Bernard Abraham Rosenblatt
Grover Grauman Sales
Abraham Bertram Samuels
John Egmont Schermerhorn, Jr.
Max Schonberg
William Schreiber
Walter Max Schwarz

Samson Selig
Alvin Theodore Shapinsky
Reuben Shapiro
Charles O'Conor Sloane (September 18)
Thomas Elliott Snyder
Michael Solomon
Charles Burr Spencer
Albert Steinfeld
Max Tachna
John Henry Taylor
Harold Edwin Vehslage
Charles Joseph Walsh
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Carolus Roe Webb
Lawrence Albert Wechsler
Frank Corday Welles
Carl Wicke
Byrd Douglas Wise
Louis Elsberg Wise
Edwin Hess Woarms
Leonard James Wolf
Louis Jacob Wolff
Isaac Maurice Wormser (August 16)
John Carl York
Frederick William Zons

Bachelor of Science

M. Raymond Harrington (February 2)
Walter Hartman
Herbert Sidney Kohlberg
John Francis McCall
[8]

Roy Samuel McElwee
Chester Columbus Marshall
Joseph Edward Ridder
Edgar George Thomssen

Barnard College

Bachelor of Arts

Irene Bennett Adams
Amalie Louise Althaus
Anna Genevieve Anthony
Eva Auerbach
Margaret Hart Bailey
Hannah Mansfield Battell
Cora Elizabeth Bennett
Judith Bernays
Beatrice Bernkopf
Mabel Louise Boote
Josephine Brand
Edna Florence Brown
Gertrude Louise Cannon
Anne Carroll
Helen Carter
Sabra Carrington Colby
Emma Cornelia Cole
Evangeline Cole
Helen Graziella Deacon
Jean Disbrow
Agnes Elizabeth Ernst
Julia Huelat Freed
Florence Belle Furth
Cara Leslie Gardiner
Helen Lehman Goodhart
Florence Gordon
Lucile Grant
Lollie Belle Hardwick
Helen Josephine Harvitt
Edith Heimann
Lilian Hellin
Hazel Van Derzee Henderson

Kathleen Elizabeth Hurty
Marguerite Baer Israel
Eva Jacobs
Irma Etelka Jellenik
Alma Elsie Joachimson
Lucetta Pitney Johnson
Sarah Keeney
Blanche Margaret Klein
Irene Constance Kohn
Sara Emma Lay
Mary Victoria Lipe
Mary Elizabeth Lord
Amalie Lowenthal
Elsa DuBois McKee
Fannie Moulton McLane
Pierina McLaughlin
Emily Lamont MacEwan
Annie Laurie Manley
Louise Christine Odencrantz
Charlotte Rose Oesterlein
Juliet Stuart Points
Josephine Southworth Pratt
Katherine Louise Rapp
Ida Charlotte Ray
Mary Catherine Ruth Reardon
Ethel May Rosemon
Elizabeth Rusk
Elsie Schachtel
Natalie Ida Shinn (September 17)
Helen Shoninger
Clara Elizabeth Smith
Katharine Augusta Smith

Mary Edla Tibbits
Helen Abbie Tracy
Dorothy True
Grace Clapperton Turnbull
Muriel Valentine
Mary Barbour Walker
[76]

Lilian May Wardell
Edna Major Wilkes
Florence Morgenthau Wise
Sophie Parsons Woodman
Daisy Irene Yale
Anne Whittemore Young

Bachelor of Laws

David Armstrong, A.B.
Wesley Heman Beach, A.B.
Edward Dudley Bryde, A.B.
Karl Wilhelm Buck, Equiv. A.B.
Henry Daggett Bulkley, A.B.
Frank Callahan, A.B.
Asa Leroy Carter, LL.B.
Robert Newton Chambers, A.B.
John Davidson Clark, A.B.
Stephen Carlton Clark, A.B.
Moncure Cockrell, B.S.
William Asbury Collings, Ph.B.
Harrison Josiah Conant, A.B., A.M.
Chester Welde Cuthell, A.B.
Sydney Sylvester Decker, Jr., B.S.
Clarence Walworth Donovan, A.B
Cam Dawson Dorsey, B.S.
Robert Duncan Eggleston, A.B.
David Feifer, A.B.
Henry Baldwin Fischer, Ph.B.
William Fisher, Jr., A.B.
Herman James Fliederblum, A.B.
George Frankenthaler, B.S.
William Urwick Goodbody, A.B.
Harold Harper, A.B.
Cornelius Lansing Hays, A.B.
Louis Percy Hewitt, A.B.
Grant Hoerner, A.B., A.M.
George Sanford Hornblower, A.B.
William Mills Ivins, Jr., A.B.
Frederick Weidemeyer Jackson, A.B.
Murray Goodlet Jenkins, A.B., A.M.
Benjamin Mark Kaye, A.B.
John Slack Keith, A.B.
Gordon Saul Philip Kleeberg, A.B., A.M.
Frederic Edward Klein, A.B.
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Otto Rudolph Koechl, A.B.
Jerome Arnold Kohn, A.B., A.M.
Wilbur Whitfield La Fetra, A.B.
Herman Moore Langworthy, A.B., A.M
Benjamin Morris Levy, A.B.
Edward Benjamin Levy, A.B., A.M.
Robert Carpenter Lewis, A.B.
Samuel Adolph Lewisohn, A.B.
Monte London, A.B.
Dudley Odell McGovney, A.B., A.M.
Theodore McCurdy Marsh, A.B.
George Zerdin Medalie, A.B.
Ezra Birdette Merrill
Joseph Michael, B.S., A.M.
Max Michael, A.B., A.M.
Elmer Craver Miller, A.B.
Mark Hunter Miller, A.B.
Philips Alexander Moore, A.B.
Sidney Newborg, A.B.
Frank P. Nohowel
John Abbott Powell, A.B., A.M.
Herbert Robinson Rising, Ph.B., A.M.
Abraham Rockmome, A.B.
Gerald Benjamin Rosenheim, A.B., A.M.
Harry James Rosenson, A.B.
Norman Pulver Steven Schloss, A.B.
Harry Schwed, A.B.
David Irving Shapiro, B.S.
Charles Bascom Shelton, A.B.
Clyde Everett Shorey, A.B.
Joseph Solomon, A.B.
Weld Merrick Stevens, A.B.
John Cuthbert Sweeney
Frank Chapman Van Cleef, A.B.
Norman Wyckoff Van Nostrand, A.B.
Kaufman Richard Wallach, A.B., A.M.
Morris Weinstein, A.B.
Julius Louis Wolff, A.B.

Doctor of Medicine

Theodore Henry Allen, A.B.
Charles Albert Anderson
Murray Harold Bass, A.B.
Frederick Sumner Briggs, A.B.
Sanger Brown
Theodore Mithoff Cartmell, A.B.

Franklin Morris Class, A.B.
Royal Morris Cohn
Burrill Bernard Crohn, A.B.
James Bailey Cross
Homer Leland Day, A.B.(October, 1906)
Harry Ryerson Decker, A.B.

Isaac Carleton Dederer, A.B.
Richard Derby, A.B.
John Joseph Dorsey
Carl Frederick August Eggers
Eugene William Erler, A.B.
Gustavus William Faber, A.B.
Nathan Chandler Foot, A.B.
Samuel Forstot, A.B.
Jay Irving Fort, A.B.
Frederic Hultman Foucar, A.B.
Lynn Lyle Fulkerson, A.B.
Merton Layton Funk, A.B.
Gil Juvenal Gil, A.B.
William Aloysius Gillen, Jr., A.B. (October, 1906)
Denis Webb Granberry, A.B.
Simon Charles Grudberg, A.B.
Hubert Vivian Guile, B.S.
Paul Tompkins Harper, Ph.B.
Ferdinand Frederick Hedemann
Jacob Heiman, A.B.
Howard Crosby Hoff
Joseph Pierre Hoguet, A.B.
Rnd Gordon Holt
David Elihu Hyman
Herman Meyer Jaffe
Henry James, A.B.
William Richard Janeway, 2d, A.B.
Thomas Sebastian Keating
Cadwell Benson Keeney, A.B.
Morris David Keller, A.B.
Richard Edward Knapp
Henry Frederick Kramer
Edward Sheafe Krans, A.B.
Albert Richard Lamb, A.B.
William Lamberson
Arthur Gabriel Larkin, A.B.
George Lichtenstein, A.B.
Daniel Ralph Lucas, Ph.G., B.S., A.M.
Richard H. McBaine, A.B.
Robert Lyness McCready, Jr.
Richard Moncure Macrae (October, 1906)
Herbert David Mandelbaum, A.B.
George Edmund Miller, A.B., A.M.
Louis Miller, A.B.
William Merrill Mills, A.B.
Raymond Boileau Mixsell, A.B.
Carl Richard Moeckel
David Hubbell More, Ph.B.
Maurice Jones Munker, A.B.
Charles Joseph Murn, A.B.
Charles Worth Norton
Howard LeRoy Norton
Edgar Davison Oppenheimer, A.B.
Maynard Smith Owen, A.B.
George William Partridge, A.B.
Gouverneur Morris Phelps, B.S.
Walter Phillips, A.B., A.M.
John Brewer Powers, A.B., A.M.
Maurice Edgar Rose, A.B.
Abraham Nathaniel Schiller, A.B.
Louis Herbert Schwartz, A.B.
William Alfred Scruton (October, 1906
William Harrison Slaughter, Ph.D.
Arthur Elsworth Soper
Harry Tucker Spelman
Alfred Stillman, 2d. A.B.
Ralph Griffiths Stillman, A.B.
Raymond Peter Augustine Sullivan A.B., A.M.
Walter Stanborough Sutton, A.B. A.M.
Arthur Warton Swann, A.B.
Charles Goodman Taylor
William Kenney Terriberry, A.B.
James Patten Trotter, A.B.
Francis Tweddell
Frederick Brown Utley, A.B.
John Colin Vaughan
James Percy Wall, A.B
Charles Abraham Wallenstein
Frederick S. Weingarten, B.S.
Abraham Owen Wilensky, A.B.
Edward Bigelow Woods, B.S.

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Engineer of Mines

Hugh Archbald, A.B.
George Oliver Arnold
Harold Mairs Beattie
Arthur Peter Braun
Paul Kortright Brill
Richard Stuart Burdette
Oliver Perry Chisholm, Jr.
Frederick Huntington Clark
Arthur Isador Dehuff
Thomas Francis Donnelly
Morris Jesup Elsing
Francis Gordon Fabian, Mech.E.
George Edwin Farish
Gustav Ludwig Fleissner
Albert Frank (October 30)
Walter Gardner
Robert McLeod Johnson (October 11)
Irving Samuel Josephs, A.B.
Frederick Kruse, Jr.
Julius Arthur Lewisohn, A.B.
James Macfarlane Little
Robert Marsh, Jr.
Walter Stanley Palmer, B.S.
John Thomas Roberts, Jr.

Mortimer Freeman Sayre
James Brand Tenney (November 9)
Benjamin Franklin Tillson
[31]

Thomas Hildrup Tulloch
Sidney Helmuth Wilcox (September 19)
Paul Day Willard
Alfales Burgess Young (October 5)

Civil Engineer

Huntington Clark Atwater
Dudley Paul Babcock
Webster Lance Benham (July 31, 1905)
Harry Montifiore Bergman
Otto Brown
Julian Girard Clarkson (October 18)
Charles Francis Dickson
Jacob M. Friedland, B.S.
Charles Rockwell Gardiner
Daniel Gorren
[20]

Oliver Cromwell Lisman
Henry Hudson Edwin Lynn
Hans Frank Meyer, B.S.
Frank Axtelle Renner
Walter Louis Rothschild, A.B.
Charles Albert Schwanebugel
Benjamin Joseph Sigmund (October 4)
Joseph Whittla Stinson, B.S.
Edward Ahlert Stuhrman
Richard Maxwell Taylor

Electrical Engineer

Arthur Aigeltinger
James Julius Arnsfield
Henry Christopher Barteld
Stanley Frank Bond, A.B.
Reginald Wadsworth Cauchois
Archibald Doty
William Henry Friedman
Louis Goldbaum (October 5)
Victor Raphael Greiff
[17]

Gustav Herman Heidgerd, A.B.
Herman Ernst Kreuder A B. (December 12)
Hertz Levin
Robert Bach Litchfield (September 27)
Emanuel Saqui
Alfred Ephraim Seelig
Maurice Leonard Sindeband
Arthur I. Sundheimer

Mechanical Engineer

Leonard Albert Arnstein
Raymond DeWitt Bailey
Mario Gerolamo Carbone
William Chapin Huntington
Russell Compton Jones
John I. Merritt
Kenneth Ballard Millett
[14]

William Douglas Monks
William Newell, A.B.
Raymond Storms Osborn
William Thomas Peacock
Herman Raymond Smith
Edward Day Thurston, Jr., A.B.
J. Laurence Waldron, A.B.

Bachelor of Science in Chemistry

Siegfried Fischer
Leon Berthold Forst (September 29)
[5]

Alfred Hemmer Kropff
Ludwig Schaefer
Albin Henry Warth

Bachelor of Science in Architecture

Roger H. Bullard
Charles Theodore Emile Dieterlen
Leo Maurice Feldman
John Henry Klenke, Jr.
[7]

Edmund Thorp See
Alexander Duncan Seymour, Jr. (November 12)
Gustave George Vigouroux

Special Diplomas

Emma Louise Adams (*Kindergarten Supervision*)
Henriette Adams (*Domestic Science*)
Florence Myra Andrews (*Fine Arts*)
Harriet Elizabeth Ashby (*Kindergarten*)
Eugenia Blake Babcock (*Fine Arts*)
Mary Bullock Belcher (*Kindergarten*)

Carrie Louisa Boice (*Domestic Art*)
Carol Brown (*Kindergarten*)
Agnes Maude Bussing (*Kindergarten Supervision*)
Zabelle Costikyan (*Kindergarten*)
Olivia Cunningham (*Manual Training*)
Dorothy David (*Primary Supervision*)
Abbie De Lury (*Domestic Science*)
Edith Deborah Dixon (*Kindergarten Supervision*)
Isabel Genevieve Donnelly (*Kindergarten*)
Sadie Dorsette (*Elementary*)
Caroline Josephine Durkee (*Hospital Economics*)
Jennie Rebecca Faddis (*Primary Supervision*)
Marie Ellen Flynn (*Kindergarten*)
Louise Jewett Forbes (*Kindergarten Supervision*)
Sarah Ellis Glenn (*Kindergarten*)
Helen Graham (*Domestic Science*)
Maud Ellen Hayes (*Kindergarten Supervision*)
Gertrude Mary Heaphy (*Primary Supervision*)
Anna Hedges (*Hospital Economics*)
Georgetta Maria Hollis (October 25) (*Music*)
Susie Markham Jones (*Grammar Grades*)
Mary Miles Jordan (*Elementary Supervision*)
Caroline Lamson (*Manual Training*)
John Nathan Lobdell (*Manual Training*)
Catharine Taylor McCaig (*Domestic Science*)
Elizabeth Eunice Merriam (*Kindergarten Supervision*)
Genevra May Miner (*Kindergarten*)
Jane Herbert Nicholson (*Kindergarten Supervision*)
Gertrude Cecilia Nolan (*Kindergarten*)
Ruth Waterman Norton (*Kindergarten Supervision*)
Julia Mae Opperman (*Kindergarten*)
Aurilla Jean Perry (*Hospital Economics*)
Mary Cornelia Rainey (*Kindergarten Supervision*)
Allie Grace Reeves (*Manual Training*)
Helen Mary Reynolds (*Elementary Supervision*)
Janet Isabel Rose (*Music*)
Ethel Hathaway Rust (*Domestic Science*)
Bessie Robertson Sargeant (*Fine Arts*)
Josephine Schiffer (*Domestic Science*)
Gertrude Vera Schweiger (*Fine Arts*)
Edna Lucy Skinner (*Domestic Science*)
Helen Smith (*Fine Arts*)
Louise Smith (*Kindergarten Supervision*)
Muriel Isobel Speller (*Domestic Art*)
Anna Marie Steiner (*Kindergarten*)
Maude Rachel Sutherland (*Fine Arts*)
Susa Amelia Talmage (*Primary Supervision*)
Shizuka Utsumi (*Manual Training*)
Leonard William Wahlstrom (*Manual Training*)
Mary Viola Walter (*Elementary Supervision*)
Cora Blanche Williams (*Elementary*)
Sarah Moore Wilson (*Domestic Science*)
Lydia Katherine Witmeyer (*Fine Arts*)

Bachelor of Science in Education

Thomas Agnew, Jr.
Josephine Mary Bagnasco
Bessie Malena Bates
Vinora Beal
Luna Evangeline Bigelow
Jessie Blanche Bitner
Ralph Elliott Blakeslee
Arva Erastus Blend
Josephine Marie de Boer
Geneva Lima Bower
Thomas William Burckhalter
Emma Seymour Butler
Laura Annis Cauble
Mary Florence Clark
Margaret Coffin
Charlotte Harrison Cornish
Nellie Josephine Crocker
Hannah Mary Cushman
Flora Louise Cutting
Carl Danielson
Maud Davies
Helen Marion Day
Nellie Maude De Cou
Forrest Allison De Graff (April 25)
Lillian Roberts Duffey (January 31)
Anna Cecilia Engelbrekt
Jane Therese Fales
Mary Elizabeth Falls
Mary Bertha Fletcher
Clara Elsa Franke
Julia Anna Gallup
Rosamond Goertner
Mildred Rutherford Gould
Priscilla Griffith
Florence Kressler Griswold
Fred Blaine Bagaman
Howard Stoddard Harris
Melvin Hix (January 31)
Hattie Mason Hodge
Emma Barksdale Hopkins
William Cyprian Hopkins (October 25)
Mary Snow Horton (January 31)
Margarette Elizabeth Howard
Alma Floy Hungerford
Sarah S. James
Isabella Emma Jewell
William Hazlett Johnston
Fannie Kagan
Annie Keightly Keightly
Florence Kellogg (October 25)
Faith Robinson Lanman
Helena Rebecca Lawson
Charlotte Emmeline Lee
Annabel Bradley Long
Augustus Ludwig
Olive Simpson McCully
Jessie McFarlane
Anna Elizabeth McMahon
Marguerite Budlong Mann (October 25)
Alice Martin
Elizabeth Frances Mascord
Jessie Bee Merrick
Louise Gertrude Wagmann Metzger
Maud Elene Michell
Edward Norris Milliken
Elizabeth Montell (April 25)
Isabel Murray
Jennie Erskine Murray
Anna Gausmann Noyes (October 25)
Margaret Manigault Pinckney
Ida Whitcomb Prentice
Mary Amelia Proudfoot
Joseph Ambrose Reed
Katharine Aloysia Reilly (April 25)
Winifred Bertha Reininger
Virginia Reynolds
Elizabeth Adelia Rice (October 25)
Kate L. Robertson
Charlotte Amy Rogers
Edith Hoyt Rollinson
Jacob Rubin
Myrta Russell
Amy Schüssler
Frances Adeline Seward
Florence Electa Silliman (October 25)
Mary Pilkington Simmons
Nellie Grosvenor Small
Benton Louis Snyder
Romiett Stevens
William Mortimer Thayer
Amelia Tompkins
Edith May Tufts
Florence Ellett Valentine
Leo William Wax
Guy Fred Wells
Eunice Wallace Welsh
Jessie Lucetta Welsh
Grace Margaret Whittemore
Felix Eugene Wilcox
Margaret Rachel Wilson
Margaret Chester Wood (January 31)
Theodore Ethel Wye
Elizabeth Dun Young
Madeline Young

Doctor's Diploma in Education

PERCIVAL RICHARD COLE
A.B., Sydney, 1903; A.M. 1905; F.C.P., London, 1906.

JESSE HARLIAMAN COURSAULT
A.B., Ohio Univ., 1893; A.M. 1898; A.M., Harvard, 1900.
[5]

ARTHUR JULIUS JONES
A.B. Iowa Coll., 1893.

WILLIAM CARL RUEDIGER
Ph.B., Wisconsin, 1899; Ph.M. 1903.

DAVID SAMUEL SNEDDEN
A.M., 1901; A.B., Leland Stanford, 1897.

Master's Diploma in Education

THOMAS MARIETTA ABERNATHY
A.B., Univ. Nashville, 1904.

EVA ADALENE ACKEN
B.S., 1906.

JOHN JAMES ARMSTRONG
Ph.B., Mount Union, 1906.

MARY LOUISE BANCROFT
H.B., Smith, 1902.

HARRY ERWIN BARD
A.B., Wabash, 1894; B.D. Union Theol. Sem. 1901.

JOHN HENRY BAUER
A.B., Ohio Northern Univ., 1896.

EDITH ADELAIDE BECK
A.B., The Woman's Coll. of Baltimore, 1904.

WINIFRED MARY BRISTOL
B.S., Cornell, 1897.

THOMAS QUINCY BROWNE, Jr.
A.B., Harvard, 1888.

MABEL GRAY BURDICK
A.B., Wellesley, 1906.

ORROK COLLOQUE
A.B., Trinity, 1899.

MATTIE HOLLIDAY CRAIGHILL
A.B., Randolph-Macon Woman's Coll., 1903.

JOHN HERBERT CRIPPEN
A.B., Leland Stanford, 1901.

PINAKIPRASAD MAHADEOPRASAD DESAI
A.B., Baroda Coll., India, 1901.

MARGARET EVES
B.L., Swathmore, 1900.

HELEN CHRISTINE FELLOWS
A.B., Wilson Coll., 1906.

EDWARD AUGUSTUS FITZPATRICK
B.S., 1906.

EMMETT E. GILTNER
A.B., Indiana State Univ., 1904.

GEADYS GLADDING

EUNICE RATHBONE GODDARD
A.B., Mt. Holyoke, 1903.

ASAHEL HENRY GRANT
A.B., Yale, 1896.

HENRY BLAIR BRAYBILL
A.B., Washington and Lee, 1902.

JOSEPH MARR GWINN
A.B., Missouri, 1902.

ANNA CHARLOTTE HEDGES
B.S., 1904; A.M., 1906. (January 31)

BENJAMIN ALEXANDER HEYDRICK
A.B., Allegheny, 1893; A.B., Harvard, 1895.

HELEN HILL
A.B., Vassar, 1905.

BENNETT BARRON JACKSON
A.B., Beloit, 1890.

GEORGE LEROY JACKSON
A.B., Michigan, 1906.

ALICE CYNTHIA KING
B.S., 1906.

CORNELIUS WYGANT LOCKWOOD
B.S., Harvard, 1899.

FRANKLIN CLARK MCGILL
A.B., Washington and Jefferson, 1897; A.M., 1900.

JOSEPH ALDEN MCKNIGHT
A.B., Denver, 1905.

CHARLES CLARENCE MEYER
B.L., California, 1906.

ALICE MAY OBER
A.B., Smith, 1905.

ALICE BROWNING PAIGE
A.B., Boston, 1893.

EDITH MAY PENNEY
A.B., Minnesota, 1898.

MILES FRANK REED
B.S., Idaho, 1901.

ALFRED ERNST REJALL
A.B., 1906.

FLORENCE SAEGER RICHARDS
B.S., 1905.

FREDERICK WILLIAM ROBERTS
A.B., Vermont, 1896.

LESTER BURTON ROGERS
B.S., Moores Hill Coll., 1899.

ELLIS R. SHIPP
A.B., Utah, 1901.

Catherine Mae Simonton
A.B., Wesleyan, 1900.
Caroline Emorette Stackpole
B.S., 1906.
Louise Stanley
B.S., Peabody, 1903; B.E., Chicago, 1906.
James Leroy Stockton
A.B., 1906.
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Lorin Stuckey
A.B., Miami, 1906.
Clifford Brewster Upton
A.B., Michigan, 1902.
Ralph Libby Wiggin
A.B., Bowdoin, 1898.
Edith Wilkinson
A.B., Wellesley, 1888.
Sarah Holbrook Williams
A.B., Smith, 1894.

Bachelor's Diploma in Education

Thomas Agnew, Jr. (Elementary Supervision)
Josephine Mary Bagnasco (Mathematics, Grammar Grades)
Mabel Irene Barney (Elementary) (April 25)
Nellie Eunice Barton, B.L. (Primary Supervision)
Bessie Malena Bates (Latin)
Vinora Beal, B.Pd. (English)
Jessie Blanche Bitner (German)
Ralph Elliott Blakeslee (English)
Arva Erastus Blend (Physical Science)
Geneva Lima Bower (Kindergarten Supervision)
Virginia Tucker Boyd, A.B. (Kindergarten)
Thomas William Burckhalter (Physical Education)
Emma Seymour Butler (English)
Laura Annis Cauble (Physical Education)
Sarah Voorheis Chollar, Ph.B., A.B. (English)
Mary Florence Clark (History)
Margaret Coffin, A.B. (Domestic Science)
Nellie Josephine Crocker (German, Latin)
Hannah Mary Cushman (Physical Science)
Flora Louisa Cutting (Mathematics)
Carl Danielson (Music)
Maud Davies (English)
Josephine Marie de Boer (English, French)
Nellie Maude DeCou (English)
Forrest Allison De Graff (Mathematics) (April 25)
Anna Cecilia Engelbrekt (Mathematics)
Mary Bertha Fletcher, Ph.B., (Domestic Science)
Clara Elsa Franke (German)
Julia Anna Gallup (Music)
Frank Arthur Gardner, B.S., A.M. (Manual Training) (January 31)
Rosamond Goertner (English)
Mildred Rutherford Gould (English)
Priscilla Griffith (English)
Florence Kressler Griswold (Elementary)
Fred Blaine Hagaman (Manual Training)
Hattie Mason Hodge (Kindergarten)
Emma Barksdale Hopkins (History, Mathematics)
Claire Greene Howe, A.B. (Kindergarten)
Alma Floy Hungerford (Elementary Supervision)
Kathleen Elizabeth Hurty (Biology)
Sarah S. James (Mathematics)
William Hazlett Johnston (Mathematics)
Fannie Kagan (Nature Study)
Annie Keightly Keightly, B.Pd., M.Pd. (English)
Faith Robinson Lanman, B.S. (Domestic Science)
Helena Rebecca Lawson, A.B. (Mathematics)
Charlotte Emmeline Lee (Biology)
Annabel Bradley Long (History)
Augustus Ludwig (English)
May Shields McCully (Physical Education) (October 25)
Olive Simpson McCully (French)
Jessie McFarlane (Geography)
Anna Elizabeth McMahon (History)
Marguerite Budlong Mann (History) (October 25)
Elizabeth Frances Mascord (Kindergarten Supervision)
Jessie Bee Merrick (Physical Education)
Louise Gertrude Wagmann Metzger (German)
Maud Elene Michell (English)

Edward Norris Milliken (Manual Training)
Elizabeth Montell (History) (April 25)
Isabel Murray (Domestic Science)
Jennie Erskine Murray (English)
Edward Joseph O'Connell, A.B. (English, History) (January 31)
Clara Grow Pett (Domestic Science) (April 25)
Mary Amelia Proudfoot (Elementary Supervision)
Joseph Ambrose Reed (Elementary Supervision)
Katharine Aloysia Reilly (English) (April 25)
Winifred Bertha Reininger (Domestic Art)
Virginia Reynolds (History)
Elizabeth Adelia Rice (Domestic Art) (October 25)
Kate L. Robertson, B.S. (Domestic Science)
Charlotte Amy Rogers (History)
Edith Hoyt Rollinson (Elementary)
Max Rosenblatt, A.M. (German) (October 25)
Jacob Rubin, A.B. (Physical Science)
Elizabeth Rusk (Latin)
Myrta Russell (Primary Supervision)
Frances Adeline Seward (Music)
Natalie Ida Shinn, A.B. (English) (January 31)
Florence Electa Silliman (English) (October 25)
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Mary Pilkington Simmons (Domestic Science)
Benjamin Franklin Sisk, B.S., M.S. (English) (January 31)
Nellie Grosvenor Small (Elementary Supervision)
Benton Louis Snyder (Physical Science)
Romiett Stevens (School Administration)
James Leroy Stockton, A.B. (Elementary) (January 31)
William Mortimer Thayer (Mathematics)
Amelia Tompkins, A.B. (Mathematics)
Nanna May Tompkins, A.B. (History)
Edith May Tufts (Elementary Supervision)
Florence Ellett Valentine (Kindergarten Supervision)
Leo William Wax (German)
Elsa Ida Weil, A.B. (English)
Guy Fred Wells (Grammar Grades)
Eunice Wallace Welsh (Domestic Science)
Jessie Lucetta Welsh, A.B. (German)
Grace Margaret Whittemore (Domestic Science)
Felix Eugene Wilcox (Mathematics)
Margaret Rachel Wilson (Primary Supervision)
Margaret Chester Wood, A.B. (English) (January 31)
Sarah Jones Woodward, A.B. (Greek)
Theodora Ethel Wye (Latin)
Madeline Young (Mathematics)

Pharmaceutical Chemist

Roscoe Miller Annis
Charles William Ballard
Andrew Richard Bliss, Jr.
Salvatore Collica
[8]

Paul Jean Gillman
Theodore Arthur Jost
Julius Klepper
Reuben Washburne Sterritt

Doctor of Pharmacy

Frank George Bradtke, Ph.C.
Charles William Holzhauer, Ph.C.; Princeton, A.B.
[4]

Charles Alexander Schenck.
Joseph Sidney Scheuer, Ph.C.

Master of Arts

Thomas Marietta Abernathy
A.B., Nashville, 1904.
Eva Adeline Acken
B.S., 1906.
Howard Chester Ackerman
Colin Cuthbert Alexander
A.B., Wofford, 1904.

George Deacon Allison
Ph.B., Brown, 1905.
John James Armstrong
Ph.B., Mt. Union, 1906.
Mary Louise Bancroft
A.B., Smith, 1902.

HARRY ERWIN BARD
A.B., Wabash, 1894; A.M., 1898.
ROSE MAYARD BARTON
A.B., Cornell, 1893. (October 9).
JOHN H. BAUER
A.B., Ohio Northern, 1896.
MABEL WARREN BAXTER
A.B., Knox, 1899.
EDITH ADELAIDE BECK
A.B., Woman's College, Baltimore, 1904.
RUDOLPH CONRAD BECKER
C. E., 1906, B.S., C. C. N. Y., 1903.
AIMÉ LAWRENCE BERINGER
A.B., Pennsylvania Coll. for Women, 1898.
EVIS HOWARD BERRY
A.B., Mt. Holyoke, 1903.
CHAO SOULE BOK
Equiv. A.B., Canton, China.
MARY MORRELL BRACKETT
A.B., 1899.
ALICE DOROTHY BREWSTER
A.B., 1906.
WINIFRED MARY BRISTOL
B.S., Cornell, 1897.
WILLIAM MACKELLAR BRITTAIN
B.C.S. and LL.B., N. Y. Univ., 1906.
FARRAND DODD BROWER
A.B., 1901.
JOHN DAVID MILLER BROWN
A.B., Muhlenberg, 1906.
ETHEL NICHOLSON BROWNE
A.B., Woman's College, Baltimore, 1906.
THOMAS QUINCY BROWNE, Jr.
A.B., Harvard, 1888.
WILLIAM SIDNEY BRYANT, Jr.
A.B., 1904.
MABEL GRAY BURDICK
A.B., Wellesley, 1906.
RUSH MONROE CALDWELL
A.B., Ouachita, 1903.
ASA LEROY CARTER
LL.B., Missouri, 1905.
JAMES KNIGHT CHRISTOPHER
B.S., Missouri School of Mines, 1905.
LINDA CLARKE-SMITH
B.S., 1906.
ALEXANDER COHEN
A.B., C. C. N. Y., 1906.
ORROK COLLOQUE
A.B., Trinity, 1899; A.M., N. Y. Univ., 1901.
CLAYTON SEDGWICK COOPER
A.B., Brown, 1894.
PERCY GAINES CRAIG
A.B., Arkansas, 1906.
MATTIE HOLLIDAY CRAIGHILL
A.B., Randolph-Macon, 1903.
KATHARINE PRIEST CRANE
B.L., Smith, 1897.
JOHN HERBERT CRIPPEN
A.B., Leland Stanford, 1901.
NANCY JANE CRISWELL
A.B., Wilson, 1889.
WILLIAM THEODORE DARBY
A.B., Yale, 1905.
ROBERT DAVIS
A.B., Dartmouth, 1903.
PAULINE HAMILTON DEDERER
A.B., 1901.
PINAKIPRASAD MAHADEOPRASAD DESAI
A.B., Bombay, 1901.
MANECKJI NUSSERVANJI DHALLA
A.B., Bombay, 1904.
SAMUEL WARD DODD
M.D., 1905; B.S., Princeton, 1901.
SARAH ELEANOR DUDLEY
A.B., Vassar, 1897.
WILLIAM BURNS DUFF
A.B., Wabash, 1906.
LUCIUS AARON EDELBLUTE
A.B., Kenyon, 1904.
LOUIS ISAAC EGELSON
A.B., C. C. N. Y., 1904.
MARGARET EVES
B.L., Swarthmore, 1900.
DEAN SPRUILL FANSLER
A.B., Northwestern, 1906.
HELEN CHRISTINE FELLOWS
A.B., Wilson, 1906.
ROBERT ANTHONY FERRARI
A.B., 1905.
JOSEPH HECTOR FEZANDIÉ
E.M., Stevens, 1875.
HENRY BALDWIN FISCHER
Ph.B., Yale, 1904.
EDWARD AUGUSTUS FITZPATRICK
B.S., 1906.
JENNIE YOUNG FREEMAN
A.B., Boston, 1900.
LOUISE MARIE FULDA
A.B., Adelphi, 1905. (December 11).
IDA GRAY GALLAWAY
Ph.B., California, 1892.
HOHANNES BARKER GARABEDIAN
B.D., Union Seminary, 1899.
WAYLAND DUNN GATES
A.B., Hillsdale, 1903; B.D., Rochester Seminary, 1906.
MARIE GELBACH
A.B., 1906.

WILLIAM CHURCHILL GERRISH
A.B., Harvard, 1899.

EMMETT E. GILTNER
A.B., Indiana, 1904.

EUNICE RATHBONE GODDARD
A.B., Mt. Holyoke, 1903.

THEODORA GOLDSMITH
A.B., Adelphi, 1901.

ASAHEL HENRY GRANT
A.B., Yale, 1896.

HENRY BLAIR GRAYBILL
A.B., Washington and Lee, 1902.

LOUISE HOYT GREGORY
A.B., Vassar, 1903.

JOSEPH MARR GWINN
A.B., Missouri, 1902.

CAROLINE HADLEY
A.B., Swarthmore, 1906.

HAROLD HARPER
A.B., 1905.

JANET NEWLAND HARRIS
Ph.B., Syracuse, 1901.

ALFRED WILLIAMS HAYWOOD, Jr.
A.B., North Carolina, 1904.

JOSEPHINE WOODBURY HEERMANS
A.B., Park, 1905.

ETHEL HENDRICKS
A.B., 1905.

SENTA HERRMANN
A.B., 1906.

MARGARET LOUISE HEWITT
A.B., Wellesley, 1897.

BENJAMIN ALEXANDER HEYDRICK
A.B., Harvard, 1895.

HELEN HILL
A.B., Vassar, 1905.

FREDERICK CHARLES HINKEL, Jr.
B.S., Trinity, 1906.

ESTHER HIRSCHENSOHN
Equiv. A.B., Teachers College, Paris, 1903.

NINA HIRSCHENSOHN
Equiv. A.B., Teachers College, Paris, 1901.

SIMON HIRSDANSKY
B.S., C. C. N. Y., 1899. (December 11).

ABEL HIRSH
Equiv. A.B', Bethha-Midrasch, Frankfurt, 1903.

KENTOK HORI
Equiv. A.M., Imperial Univ. of Tokio, 1899.

BYRON BARNES HORTON
B.S., Pennsylvania State, 1895.

JESSE EARL HYDE
A.B., Ohio State, 1906.

SEIICHI ISHIMURA
Equiv. A.B., Keiogiziku Univ., 189

BENNETT BARRON JACKSON
A.B., Beloit, 1890.

GEORGE LEROY JACKSON
A.B., Michigan, 1906.

ROYAL PRESTON JARVIS
E.M., Colorado School of Mines, 1897

ANABEL JOHNSON
A.B., Elmira, 1890.

HAMILTON CHAMBERLAIN JONES
A.B., North Carolina, 1906.

ISYA JOSEPH
A.B., 1906; B.D., Union Seminary 1906.

KAUNOSUKE KAWANAKA
Equiv. A.B., Tohoku Gakwin, 1899.

ROWENA KEITH KEYES
A.B., Mt. Holyoke, 1902.

ALICE CYNTHIA KING
B.S., 1906.

JOSEPH WALDO KINGSBURY
B.S., Utah, 1903.

ALICE ADELAIDE KNOX
A.B., Smith, 1899. (November 13).

SHUN TET KONG
B.S., California, 1905.

HENRY ALFRED LEVY
A.B., C. C. N. Y., 1900.

ROBERT CARPENTER LEWIS
A.B., 1905.

CORNELIUS WYGANT LOCKWOOD
B.S., Harvard, 1899.

FRANK CARLTON LORING
B.S., Purdue, 1904.

THEODORE RUSSELL LUDLOW
A.B., Austin, 1903.

FRANKLIN CLARK MCGILL
A.B., Washington and Jefferson, 1897; A.M., 1900.

JOHN COLE MCKIM
A.B., Kenyon, 1904. (December 11).

JOSEPH ALDEN MCKNIGHT
A.B., Denver, 1905.

MAUD ETHEL MANFRED
A.B., Cornell, 1900. (October 9).

MARY LOUISE MARK
A.B., Ohio State, 1903.

MARY ELIZABETH MARKLEY
A.B., Ursinus, 1902.

THEODORE MCCURDY MARSH
A.B., Yale, 1904.

JOHN ANGUS CAMPBELL MASON
A.B., Toronto, 1905.

CHARLES CLARENCE MEYER
B.L., California, 1906.

Catherine Ann Miller
A.B., Chicago, 1903; B.D., Hartford, 1900.

Maud Emma Miner
A.B., Smith, 1901. (November 13).

Bell Woods Montgomery
A.B., Winthrop, 1901.

Julie Mathilde Morrow
A.B., Wellesley, 1904. (December 11).

Joseph Albert Mosher
Ph.B., Syracuse, 1905; Ph.M., 1906.

William Marsiglia Nesbit
A.B., 1902; B.D., Drew, 1905.

Harvey Newcomer
A.B., Franklin and Marshall, 1892; A.M., 1895.

John Harrison Nolan
A.B., Dartmouth, 1904.

Alice May Ober
A.B., Smith, 1905.

Alice Browning Paige
A.B., Boston, 1893.

Helen Letitia Palliser
A.B., 1905.

Harriet Eliza Patch
B.L., Smith, 1897.

Robert Gildersleeve Paterson
A.B. Ohio State, 1905.

Frank Allen Patterson
A.B., Syracuse, 1904.

Edith M. Penney
B.L., Minnesota, 1898.

Louise Edgar Peters
A.B., 1904.

William Redfield Porter
A.B., 1906.

William Louis Rabenort
B.S., 1906.

Miles Frank Reed
B.S., Idaho, 1901.

John Monroe Reid
A.B., Denver, 1904; LL.B., 1906.

Alfred Ernst Rejall
A.B., 1906.

Florence Saeger Richards
B.S., 1905.

Frank Humphrey Ristine
A.B., Wabash, 1905; A.M., 1906.

Frederick William Roberts
A.B., Vermont, 1896; B.D., Cambridge (Mass.), 1900.

Franklin Whitman Robinson, B.S., C. C. N. Y., 1895.

Mabel Louise Robinson
Equiv. A.B., Radcliffe, 1903.

Helen Erma Rogers
A.B., Allegheny, 1903.

Lester Burton Rogers
B.S., Moore's Hill, 1899.

Lawrence Erastus Rudisill
A.B., North Carolina, 1904.

Caroline Ruutz-Rees
L.L.A., St. Andrews, Scotland, 1904.

Charles Ryttenberg
A.B., South Carolina, 1902.

Norman Pulver Stevens Schloss
A.B., C. C. N. Y., 1904.

Joseph Schottland
A.B., C. C. N. Y., 1904.

Lewis Schuldenfrei
LL.B., 1905.

Herbert Ferlando Schwarz
A.B., Harvard, 1904; A.M., 1905.

Andrew Edward Scott
A.B., Harvard, 1902.

Emily Cromwell Seaman
B.S., Adelphi, 1899.

Richard Eli Sherman
A.B., Missouri Valley, 1900; B.D., Cumberland, 1903.

Ellis R. Shipp
A.B., Utah, 1901.

Clara Shuart
A.B., Oberlin, 1901.

Catherine Mae Simonton
A.B., Wesleyan, 1900.

J. Edwin Sinclair
B.S., 1906.

Benjamin Franklin Sisk
B.S., Valparaiso, 1890; M.S., 1894; B.S., Texas, 1905. (October 5).

Winifred Smith
A.B., Vassar, 1904.

Glen Lawson Sneed
B.S., Texas A. and M., 1898; A.B., Trinity (Texas), 1904.

Orrin Wilmer Snodgrass
A.B., N. Y. Univ., 1895; B.D., Drew, 1898.

Edward Frederic Spitz
A.B., 1906.

Ada Springer
B.S., 1906.

Maud Johanna Staber
B.S., 1901.

Caroline Emoretta Stackpole
B.S., 1906.

Louise Stanley
B.S., Peabody, 1903; B.E., Chicago, 1906.

Albert William Staub
A.B., Oberlin, 1904.

Clarence Dimick Stevens
Ph.B. and B.S., Wabash, 1894; A.M., 1900.
Charles Arthur Stewart
A.B., 1906.
James Leroy Stockton
A.B., 1906.
Lorin Stuckey
A.B., Miami, 1906.
Thomas Kirkbride Sturdevant
B.S., Princeton, 1901. (April 9).
Aijiro Tanaka
Equiv. A.B., Yokohama Commercial, 1901.
Charles Edward Taylor
B.S., Case, 1906.
Mary Reamey Thomas
A.B., Trinity (N. C.), 1906.
Clara Mildred Thompson
A.B., Vassar, 1903.
Nanna M. Tompkins
A.B., Vassar, 1894.
Benjamin Abner Tintner
A.B., 1903.
Helen Augusta Tucker
A.B., Smith, 1895.
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Joseph Lawrence Tynan
A.B., C. C. N. Y., 1901.
Clifford Brewster Upton
A.B., Michigan, 1902.
Axel Reynold Wallin
A.B., Augustana, 1902.
Morris Francis Weinrich
Mech.E., 1904.
Walter George Whitman
A.B., Tufts, 1898.
Ralph Libby Wiggin
A.B., Bowdoin, 1898.
Lawrence Augustus Wilkins
Ph.B., Syracuse, 1904.
Edith Wilkinson
A.B., Wellesley, 1888.
Maud Wilkinson
A.B., Wellesley, 1889.
Sarah Holbrook Williams
A.B., Smith, 1894
Hugh Dempster Wilson, Jr.
A.B., Trinity, 1901.
Ernest Hunter Wright
A.B., 1905.

Doctor of Philosophy

Eugene Ewald Agger
A.B., Cincinnati, 1901; A.M., 1902.
Dissertation: The budget in the American commonwealth.
(April 9).
Henry Kreitzer Benson
A.B., Franklin and Marshall, 1899; A.M., 1902.
Dissertation: On the use of molten salts containing water of crystallization as solvents.
William Nathan Berg
B.S., 1904.
Dissertation: The digestibility of various proteins in solutions of the same acids.
Abraham Berglund
A.B., Chicago, 1904.
Dissertation: The United States Steel Corporation.
Norris Arthur Brisco
A.B., Queens University, 1898; A.M., 1900.
Dissertation: Economic policy of Robert Walpole.
Louis Jacob Cohen
B.S., C. C. N. Y., 1899; M.S., N. Y. Univ., 1902.
Dissertation: Some new double phosphates.
Percival Richard Cole
A.B., Sydney, 1903; A.M., 1905.
Dissertation: Herbart and Froebel: An attempt at synthesis.
Jesse Harliaman Coursault
A.B., Ohio State, 1893; A.M., 1898; A.M., Harvard, 1900.
Dissertation: The learning process or educational theory implied in theory of knowledge.
George Henry Danton
A.B., 1902.
Dissertation: The nature sense in the writings of Ludwig Tieck.
Ellen Scott Davison
B.S., Wellesley, 1887; A.M., Western Reserve, 1894.
Dissertation: The history of ecclesiastical elections.
Frederick Carl Eiselen
A.M., New York Univ., 1899; B.D. Drew, 1900.
Dissertation: Sidon—A study in Oriental history.
James Henry Gilbert
A.B., Oregon, 1903.

Dissertation: Trade and currency in early Oregon.

WILLIAM BUCK GUTHRIE
B.S., Lenox, 1893; Ph.B., State Univ., Iowa, 1893.
Dissertation: History of socialistic thought from the Reformation to the French Revolution.

PAUL LELAND HAWORTH
A.B., Indiana, 1899; A.M., 1901.
Dissertation: The presidential election of 1876.
(December 11).

MEYER JACOBSTEIN
A.B., 1904; A.M., 1905.
Dissertation: The tobacco industry in the United States.

MARGARET EDITH HENRY JOHNSON
A.B., Nebraska, 1898; A.M., 1900; A.M., Radcliffe, 1902.
Dissertation: The argument of Aristotle's "Metaphysics."
(October 9).

ARTHUR JULIUS JONES
A.B., Iowa Coll., 1893.
Dissertation: The continuation-school movement in the United States.

WILLIAM KLABER
A.B. 1905.
Dissertation: On certain 7-nitro-4-quinazolones.

ELSIE KUPFER
A.B., 1899; A.M., 1901.
Dissertation: Studies in plant regeneration.

ALBERT BUELL LEWIS
A.B., Chicago, 1894.
Dissertation: Tribes of the Columbia Valley.
(November 13).

ABRAM LIPSKY
A.M., 1900; A.B., Rochester, 1895.
Dissertation: Rhythm as a distinguishing characteristic of prose style.

LOUISE ROPES LOOMIS
A.M., 1902; A.B., Wellesley, 1897.
Dissertation: Mediæval Hellenism.
(April 9).

HOWARD LEE MCBAIN
A.M., 1905; A.B., Richmond, 1900; A.M., 1901.
Dissertation: The life of De Witt Clinton.

ROBERT CECIL MCMAHON
A.M., 1901, A.B., Wesleyan, 1900.
Dissertation: Technical history of the white lecythi.

MARTIN ABRAHAM MEYER
A.B., Cincinnati, 1899; B.D., Hebrew Union, 1901.
Dissertation: History of Geza from the earliest times to the present day.

SAMUEL ERASMUS MOFFETT
A.B., 1900; A.M., 1901.
Dissertation: The Indian policy of the American colonies to 1690.

DAVID SAVILLE MUZZEY
A.B., Harvard, 1893; B.D., N. Y. Univ., 1897.
Dissertation: The spiritual Franciscans.
(April 9).

JOHN MAURICE NELSON
B.S., Nebraska, 1901.
Dissertation: Some compounds derived from succinylosuccinic ester.

NUBA MITCHELL PLETCHER
A.B., Illinois, 1901; A.M., 1903.
Dissertation: Franco-German relations in the seventeenth century.

OSCAR LEWIS POND
A.M., 1902; A.B., Indiana, 1899.
Dissertation: Municipal control of public utilities.
(February 12).

RAEMER REX RENSHAW
B.S., Oregon, 1902; M.S., 1903.
Dissertation: 4 - aminophthalic acid and some of its derivatives.

WILLIAM CARL RUEDIGER
Ph.B., Wisconsin, 1899; Ph.M., 1903.
Dissertation: The field of distinct vision.

CHARLES H. SHAMEL
A.M., 1905; B.S., Illinois, 1890; M.S., 1891; LL.B., Michigan, 1893.
Dissertation: Geology in the law.

PRESERVED SMITH
A.M., 1902; A.B., Amherst, 1901.
Dissertation: Luther's Table-Talks as an historical source.

DAVID S. SNEDDEN
A.M., 1901; A.B., Leland Stanford, 1887.
Dissertation: Administration and educational work of American reform schools.
(April 9).

GUY EDWARD SNIDER
B.L., Wisconsin, 1901; A.M., Missouri, 1902.
Dissertation: The taxation of the gross receipts of railways in Wisconsin.

CHARLES RUPERT STOCKARD
B.S., Mississippi Agricultural and Mechanical, 1899; M.S., 1902.
Dissertation: The development of the mouth and gills in Bdellostoma Stanti.

ALVAN ALONZO TENNEY
A.B., 1898; A.M., 1899.
Dissertation: Social democracy and population.

GEORGE BOOKER WATERHOUSE
B.S., London, 1903.
Dissertation: The influence of nickel and carbon in iron and The overheating, burning, and restoring of nickel steel.
(February 12).

CHARLES CLARENCE WILLIAMSON
A.B., Western Reserve, 1904.
Dissertation: The finances of Cleveland.

ANNE SEWELL YOUNG
B.L., Carleton, 1892; M.S., 1897.
Dissertation: The stellar clusters h and x Persii; measurement and reduction of the Rutherfurd photographs.
(October 9).

HONORARY DEGREES

Master of Science

CHARLES GORDON CURTIS

Master of Arts

THE REVEREND HUGH MCCULLOH BIRCKHEAD
Rector of St. George's Church

JOHN AARON BROWNING
Headmaster of the Browning School

WILSON FARRAND
Headmaster of the Newark Academy

Doctor of Letters

RICHARD WATSON GILDER

Doctor of Laws

HENRY FAIRFIELD OSBORN
Da Costa Professor of Zoology

ELMER ELLSWORTH BROWN
United States Commissioner of Education

CHARLES EVANS HUGHES
Governor of New York

Commencement Calendar, 1907

May 24–25—Teachers College Exhibition.
June 7—Barnard College Class Day.
June 9—Baccalaureate Service, Rev. George Hodges, D.D., D.C.L., Preacher.
June 10—Columbia College Class Day.
June 10–16—Architectural Exhibition.
June 11—Phi Beta Kappa Meeting and Address.
June 12—Commencement, Conferring of Degrees and Award of Honors; Presentation of torcheres by Class of '82 Science and of Window by Class of '82 College; Alumni Luncheons; Anniversary Dinners; Decennial Celebration.

FELLOWSHIPS, SCHOLARSHIPS, AND OTHER PROVISION FOR THE ASSISTANCE AND REWARD OF STUDENTS

NOTE.—Unless otherwise provided, all stipends of Fellows and Scholars shall be paid in equal semi-annual instalments on the second Wednesday of each half-year. Before being entitled to receive either instalment of his stipend, each Fellow and Scholar is required to report himself in writing to the Registrar as in residence, on or before the opening day of each half-year.

Fellows and Scholars are required to pay all fees for matriculation, tuition, graduation, and for the use of the Gymnasium. The provisions regarding the maximum fee for the higher degrees do not apply to them.

General Regulations

The following regulations apply, unless the contrary is specifically stated, to the award of all fellowships and scholarships:

In each case application must be made in writing on a blank prepared for the purpose which may be obtained from the Secretary of the University: for fellowships it should be filed on or before March 1; for scholarships on or before May 1. Applications and documents received in support thereof later than these dates or not distinctly indicating the name of the candidate and the fellowship or scholarship for which he applies may fail of consideration. As an evidence of graduation, a printed certificate is preferable to the formal diploma itself as there is risk that the latter may be lost or injured in transit.

The appointment is in each case for one year dating from July 1. Candidates will be notified as promptly as possible as to the success of their applications. If the applicant wishes the documents which he has submitted returned to him by mail he should enclose postage for the purpose, otherwise they will be held until called for.

All Fellows and Scholars, as hereinafter provided, shall reside in New York City or its vicinity during the academic year, unless permission be granted by the Council to study elsewhere. No Fellow or Scholar may pursue a professional or technical course of study during his term.

The conditions under which the appointment may be granted are indicated in the following paragraphs:

UNIVERSITY FELLOWSHIPS

Twelve fellowships, of the value of $650 each, known as "University Fellowships," are awarded annually by the University Council at its stated meeting in April, to those graduates of colleges and scientific schools, not over thirty years of age, who show themselves especially

fitted to pursue courses of higher study and original investigation. The candidate must give evidence:

(*a*) of a liberal education, such as a diploma from a college or scientific school of good repute;

(*b*) of decided fitness for a special line of study, such as an example of some scientific or literary work already performed;

(*c*) of upright character, such as a testimonial from some instructor.

A Fellow may be reappointed for reasons of weight, but not for more than two terms of one year each.

As these fellowships are awarded as honors, those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the list of Fellows. In such cases additional University Fellows may be appointed.

Vacancies shall be filled in the same manner in which original appointments are made.

Every Fellow will be expected to perform such duties as may be allotted to him in connection with a course of study leading to the degree of Doctor of Philosophy. He will be expected to devote his time to the prosecution of special studies under the direction of the head of the department in which his major subject lies, and before the close of the academic year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

No Fellow shall be allowed to accept remunerative employment or to give instruction or assistance in any department of the University except by permission of the President, and the acceptance of any such employment, without such permission, shall operate to vacate the fellowship.

University Fellows, 1907–08:

GEORGE BYRON LOUIS ARNER.....*Sociology*
WARREN B. CATLIN.....*Political Economy*
WILLIAM WATSON DAVIS.....*American History*
THOMAS GREEN.....*Philosophy*
JESSE EARL HYDE.....*Geology*
DAVID KELLEY LAMBUTH.....*English*
ALBERT ARTHUR LIVINGSTON.....*Romance Languages*
DANIEL RALPH LUCAS.....*Biological Chemistry*
CLARENCE EARL MAY.....*Organic Chemistry*
ARTHUR GEORGE THOMAS.....*International Law*
AXEL REYNOLD WALLIN.....*Latin*
LEON ELMER WOODMAN.....*Physics*

Honorary Fellow:

JOHN MAURICE CLARK.....*Political Economy*

SPECIAL FELLOWSHIPS

Unless otherwise specified, the regulations as to the mode of application for the following fellowships, and the conditions governing their award and tenure, are the same as those for University fellowships (see *ante*). Candidates should indicate clearly upon their application-blanks the fellowship for which they are applicants.

Tyndall and Barnard Fellowships

The Tyndall Fellowship for the Encouragement of Research in Physics, endowed by Professor John Tyndall, and of an annual value of $648, and the Barnard Fellowship for Encouraging Scientific Research, endowed by the bequest of the late President Barnard, annual value $400, are awarded annually under the following conditions: The Tyndall Fellowship is available for one or more American pupils who may have shown decided talent in physics, and preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigations in that department of learning, and is awarded either to a graduate of the University or to a student in it (not necessarily a candidate for a degree) upon the recommendation of the head of the Department of Physics. The Barnard Fellowship is awarded upon the joint recommendation of the Faculties of Columbia College, Applied Science, and Pure Science to a graduate of any one of them who, having shown decided aptness for physical investigation, is disposed to devote himself thereto for some years continuously. The recommendation must in each case be made to the President on or before April 1. The appointment is for the term of one year, but the incumbent shall be eligible to reappointment.

It is the duty of a John Tyndall or Barnard Fellow to devote himself faithfully to the investigation of some subject in physical science at this University, or at some other in this country or abroad, under the supervision of some known physicist approved by the President and the head of the Department of Physics. He shall make a report, certified to by the physicist superintending and directing him, quarterly to the President, giving an account of the work in which he has been engaged during the three months preceding.

Tyndall Fellows:

1891–92 William H. Freedman
1892–93 Charles R. Mann
1894–95 Charles R. Mann
1895–97 Walter Wheeler Cook
1987–98 No incumbent
1898–1901 Robert Bowie Owens
1901–03 Bergen Davis
1903–04 Frank Leo Tufts
1904–07 Frederic Columbus Blake
1907–08 George Braxton Pegram

Barnard Fellows:

1894–96 William Lispenard Robb
1896–97 No incumbent

1897–1900 Heinrich Ries
1900–03 John Alexander Mathews
1903–05 William Campbell
1905–07 Clarence Whitney Kanolt
1907–08 Harold Worthington Webb

Adams Research Fellowship

The Ernest Kempton Adams Research Fellowship, founded by Mr. Edward Dean Adams, in memory of his son, Ernest Kempton Adams, E. E. '97, A.M. '98, is of an annual value of $1250. The appointment may be made from among the faculties, teaching staff, alumni, or students of Columbia University. The incumbent of the fellowship shall prosecute researches either in Columbia University or elsewhere, in the physical sciences, in psychology, or in their practical applications. The results of the investigations of the incumbent of the fellowship are published and distributed by the University under the title of "Researches of the Ernest Kempton Adams Research Fellows of Columbia University."

Ernest Kempton Adams Research Fellows:

1905–07 Ernest Fox Nichols
1907–08 Bergen Davis

Class of '70 Fellowship

There is a fellowship known as the "Class of '70 Fellowship," of the annual value of $500, which, after the expiration of the term of the present incumbent, shall be filled by the University Council, subject to such regulations as may be prescribed.

Class of '70 Fellow:
1896—Lewis Buffet Carll

George William Curtis Fellowship

The George William Curtis Fellowship is awarded for a term of two years upon the recommendation of the Faculty of Political Science in every third year, the next award being July 1, 1909. The Curtis Fellow shall be entitled to receive during his incumbency the net income of the endowment of $10,000 (in 1906–07, $400 annually), accruing during a period of three years, and proportionately for any part of the term.

Candidates shall submit an essay or address on the "Immediate Duty of the American Citizen," in addition to complying with the requirements of candidates for University fellowships.

The Fellow shall devote himself to the study of the science of government, with a special view to its application to the then existing condition of the United States or to the State or City of New York; and at or before the conclusion of his second year he shall publish (*a*) a monograph satisfactory to the Faculty of Political Science on some

subject relating thereto, and (*b*) a brief sketch of George William Curtis as a citizen and orator, showing that he has familiarized himself with the life and character of the man whose memory is to be perpetuated by the fellowship which he has enjoyed.

George William Curtis Fellows:

1901–02 James Wilford Garner 1904–06 Charles Grove Haines
1902–04 Charles Austin Beard 1907–09 Edward McChesney Sait

Drisler Fellowship

The Henry Drisler Fellowship in Classical Philology, established in 1894 in commemoration of the semi-centennial in the service of the University of Professor Henry Drisler, A.B. 1839, is of the annual value of $650, and is open to Bachelors of Arts of this University, or some other institution of equivalent standing, who have studied Greek and Latin throughout their undergraduate course, and who have an adequate knowledge of French and German. They must present testimonials from their instructors in Greek and Latin as to the quality of their work, and give evidence of fitness for advanced study and research, either by a special examination, or by an essay embodying the results of research in some department of classical study.

The appointment is made by the University Council on the joint recommendation of the professors of Greek and Latin. Recommendations should reach the President on or before April 1, and reappointments may be made for not more than two terms of one year each.

The Fellow must study at this University under the direction of the professors of Greek and Latin, unless permitted by the Council to spend a year in some foreign university, or in the American School of Classical Studies at Athens, or in the American School of Classical Studies at Rome.

Drisler Fellows

1894–96 John Kasson Lathrop
1896–97 George N. Olcott
1897–98 William T. F. Tamblyn
1898–99 Corliss Fitz Randolph
1899–1900 Edward Charles Harwood
1900–01 Bert Hodge Hill
1901–02 No incumbent
1902–03 Harwood Hoadley
1903–04 Walter Whipple Arnold
1904–05 No incumbent
1905–06 Macon Anderson Leiper
1906–08 Charles Jones Ogden

Garth Fellowship

The Granville W. Garth Fellowship in Political Economy is awarded each year. The successful applicant for the fellowship shall be entitled to receive the net annual income of the capital sum of the Granville W. Garth Memorial Fund of $16,250. See page 435

Garth Fellows:

1905–06 Meyer Jacobstein 1906–07 James Henry Gilbert
1907–08 Louis Dwight Harwell Weld

Gottsberger Fellowship

The Gottsberger Fellowship, awarded every second year, is open only to candidates who, having first taken a degree in Columbia College, have been for not less than two years resident graduate students of Columbia University, taking also the degree of Master of Arts. The holder may with the consent of the professor in charge of his major subject of study, and with the approval of the President, pursue his studies abroad. The Fellow so appointed receives the net income for two years of the capital sum of $9500 constituting the Cornelius Heeney Gottsberger Scholarship Fund.

Gottsberger Fellows:

1905–06 George Christian Otto Haas 1907–08 Meyer Jacobstein

Mosenthal Fellowship

The Mosenthal Fellowship, established in memory of the late Joseph Mosenthal, is designed to aid talented students of musical composition, either men or women, in the study of their art. The stipend is the net income for two years of the capital sum of $7500. It is awarded every second year by the Council upon the recommendation of the Professor of Music, and is tenable for one year.

Applicants are required to show a thorough knowledge of harmony and of counterpoint and some ability to compose, by submitting a number of original compositions in support of their applications.

The holder must devote himself to the study of musical composition at Columbia University, or, with the approval of the President and the Professor of Music, abroad. In the former case, he shall be required, in addition to his studies in Music, to pursue such other studies in at least two departments of the University as the Professor of Music may direct. In either case, the Fellow shall submit, at such times as the Professor of Music may designate, the results of his work in musical compotsiion.

Mosenthal Fellows:

1899–1901 Mary Angela Diller 1904–05 Benjamin Lambord
1902–04 Frank Edwin Ward 1906–07 William Jacob Kraft

Proudfit Fellowship in Letters

The Alexander Moncrief Proudfit Fellowship in Letters for the encouragement of the study of English Literature, founded by the

bequest of Alexander Moncrief Proudfit, is open to any son of native-born American parents who shall have taken the degree of Bachelor of Arts after three years' residence in Columbia College, and who shall, while enjoying such fellowship, remain unmarried. The appointment is made by the Council upon the joint recommendation of the professors in the Department of English. The Fellow shall be entitled to receive during his incumbency the net income of the sum of $13,875 (in 1906–07, $615). He shall carry on his studies and research at Columbia University, or elsewhere, under the direction of the professors in the department named.

Proudfit Fellows in Letters:

1900–03 John Erskine
1903–05 Stanley Kidder Wilson
1905–06 No incumbent
1906–07 Charles Francis Lawson
1907–08 Ernest Hunter Wright

Schiff Fellowship

The Schiff Fellowship in Political Science, the gift of Mr. Jacob H. Schiff, is of an annual value of $600. The appointment is made each year by the Council upon the recommendation of the Faculty of Political Science, which recommendation is based upon the nomination following: On or before April 1 of each academic year the Faculty of Political Science shall propose to Mr. Jacob H. Schiff while living the name of a suitable person for nomination by him. The conditions to govern the nomination after Mr. Schiff's death will be found in the University Statutes.

Schiff Fellows:

1898–1900 William Henry Fry
1900–01 Walter Percy Bordwell
1901–02 Ulrich Bonnell Phillips
1902–03 George Charles Selden
1903–04 Preserved Smith
1904–05 Norris Arthur Brisco
1905–06 Charles Ramsdell Lingley
1906–07 Samuel George Nissenson
1907–08 Carl Frederick L. Huth

Carl Schurz Fellowship

The Carl Schurz Fellowship for the Study of the German Language and Literature is awarded, in every even-numbered year, by the Council, upon the recommendation of the professors of the Department of Germanic Languages and Literatures. The Fellow shall be entitled to receive the net income for two years of the capital sum of $10,000, constituting the endowment contributed by citizens of New York, in commemoration of the seventieth birthday of Carl Schurz. The appointment may be renewed for reasons of weight for a further term of one year, but without additional stipend.

Candidates must present testimonials as to their zeal and success in the study of German, and must by an essay or published treatise give evidence of their fitness for a wider and more profound study of the language and literature and for independent research. They must also have a sufficient knowledge of Latin and French to use these languages readily in the prosecution of their studies. The holder must study at Columbia University under the direction of the Department of Germanic Languages and Literatures, unless permitted by the Council to study at some German university.

Carl Schurz Fellows:

1902–03 John Louis Kind
1905–06 Allen Wilson Porterfield
1906–07 Henry Hermann
Louis Schulze

Annual Fellowships

The Treasurer may receive gifts of money or fellowships for one year or more, provided that no fellowship shall be created for less than $500 per annum. Such fellowship shall he filled by the University Council, subject to such regulations as may be prescribed.

UNIVERSITY SCHOLARSHIPS

Twenty University Scholarships, of an annual value of $150, are awarded by the University Council at the regular meeting in May to students under the Faculties of Political Science, Philosophy, and Pure Science, who are not over thirty years of age, under the following regulations:

1. They are open to all graduates of colleges and scientific schools whose course of study has been such as to entitle them to be enrolled at Columbia as candidates for one of the higher degrees.
2. They are tenable for one academic year, with a possibility of renewal for one year longer.
3. Applications should be filed in writing, not later than May 1.
4. In the awards preference will be given to those candidates for University fellowships who have failed of appointment after having been recommended therefor by any faculty or department.
5. University Scholars will be required to enrol themselves as candidates for a higher degree and to pursue a regular course of study leading thereto.
6. Additional Scholars may be appointed by the Committee to fill any vacancies occurring otherwise than by the graduation of an incumbent.
7. A University Scholar may relinquish the income thereof without waiving his right to be designated as a University Scholar.

University Scholars, 1907–08:

Francis Freeman Adams.....*Chemistry*
Ervin Leech Anderson.....*Romance Philology*
Samuel Alfred Barrett.....*Anthropology*
Leonard Stott Blakey.....*Economics and Social Science*
George Henry Brunson.....*History*
Percy Gaines Craig.....*Germanic Languages*
Horace Luther Field.....*Greek*
George Wallace Kneisly.....*Geology*
Edward Henry Lewinski.....*Economics*
Edmund Rutan Lupton.....*Economics*
Joseph Albert Mosher.....*English*
William Stockton Nelms.....*Physics*
Fernandus Payne.....*Zoölogy*
Joseph Pearl.....*Latin*
George Henry Porter.....*American History*
Edward Ewing Pratt.....*Economics*
Albert Edward Rand.....*German*
Frank Rosenblatt.....*Political Economy*
Solomon Vineberg.....*Economics*

President's University Scholarships

Eight additional scholarships, known as the President's University Scholarships, are awarded by the University Council, governed by the regulations attached to the University Scholarships, and by such further regulations as may from time to time be adopted.

President's University Scholars, 1907–08:

Faust Charles DeWalsh.....*Germanic Languages*
Edward Hall Gardner.....*English*
William Churchill Gerrish.....*Mediæval History*
Alfred Peirce Lothrop.....*Chemistry*
James Insley Osborne.....*English*
Frank Humphrey Ristine.....*English*
Charles McGibeny Roberts.....*Administrative Law*
Claude Cornelius Van Nuys.....*Mathematics*

University Scholarships for Women

Four University Scholarships, known as the Curtis University Scholarships, will be awarded annually to women students under the Faculties of Philosophy, Political Science, and Pure Science. These scholarships are awarded under the same regulations as those governing the University scholarships.

Curtis University Scholars, 1907–08:

Cora Leila Butler.....*Mathematics*

CARRIE MAUDE HOLT ..... *Zoölogy*
BEATRICE LESSEY ..... *Romance Languages*
ANNIE LAURIE MANLEY ..... *Philosophy*
CHARLOTTE ROSE OESTERLEIN (*Honorary*) ..... *Philosophy*

SPECIAL SCHOLARSHIPS

Richard Butler Scholarship

The Richard Butler Scholarship, tenable for one academic year, with the possibility of renewal for each of two years more, for the benefit of male students born in the State of Ohio, is open for competition to qualified candidates who propose to enter any college, or school of the University (except Teachers College or the College of Pharmacy). The annual value (to be applied to tuition charges) is the income of a fund of $5000, given for the establishment of the scholarship.

Applications should be made under the same regulations as those for University Scholarships.

Richard Butler Scholars:

1904–07 OTHO LEE MONROE 1907–08 JOHN SHERMAN ROBINSON

Pulitzer Scholarships

Through the generosity of Mr. Joseph Pulitzer, male graduates of the public high-schools of the City of New York, not to exceed forty at any time, are awarded scholarships upon competitive examination. Each scholarship so awarded may be held for a period of four years in the College or in any department of the University except the Medical School. The scholarship will be withdrawn if at any time the holder fails to maintain a satisfactory standard in his academic work. During his term the scholar receives from Mr. Pulitzer the sum of $250 a year over and above the cost of his tuition. Full information regarding the conditions under which these scholarships are awarded will be furnished, upon application, by the Secretary of the University.

John D. Jones Scholarship

The Wawepex Society makes annual provision for a scholarship amounting to $200 and including the use of a table at the biological laboratory at Cold Spring Harbor, L. I. The award is made by the Council upon the recommendation of the Department of Zoölogy.

John D. Jones Scholars:

1898–99 FRANCIS BERTODY SUMNER 1900–01 FREDERICK CLARK PAULMIER
1899–1900 JOHN CUTLER TORREY 1901–02 WILLIAM E. KELLICOTT

1902–03 Charles Zeleny
1903–04 Louis I. Dublin
1904–05 Charles Rupert Stockard
1905–06 John Howard McGregor
1906–07 David Day Whitney
1907–08 Charles V. Morrill, Jr.

Annual Scholarships

The Treasurer may receive gifts of money for scholarships for one or more years, provided that no such scholarship shall be for a less sum than the annual tuition fee of the college or of the school in which it is provided.

Medals and Prizes

Essays submitted in competition for any of the following should, unless otherwise indicated, be submitted to the Secretary of the University not later than May 1, in the year of award. The awards are announced at Commencement and, unless otherwise indicated, are annual.

National Society of the Sons of the American Revolution Medal

For information as to the award of the medals offered by this Society, apply to the Secretary of the University.

Barnard Medal

A gold medal of the value of $200 established by the provisions of the will of President Barnard and endowed by him, known as the "Barnard Medal for Meritorious Service to Science," is awarded quinquennially to such person, if any, whether a citizen of the United States or any other country, as shall within the five years next preceding have made such discovery in physical or astronomical science, or such novel application of science to purposes beneficial to the human race, as in the judgment of the National Academy of Sciences of the United States shall be esteemed most worthy of such honor.

Awards

1895 Lord Rayleigh and Professor William Ramsay
1900 Professor Wilhelm Conrad von Röntgen
1905 Professor Henri Becquerel

Bennett Prize

A prize established through a gift of $1000 from Mr. James Gordon Bennett, may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporaneous interest in the domestic or foreign policy of the United States, the subject for 1907–08 being "The Hague Conference of 1907." The competition is open

to students not holding a baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science.

No Award in 1907

Bunner Medal

The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essays to be handed in on May 1, 1908 is "The Oratory of the American Revolution"; 1909, "Foreign Influences on Longfellow's Poetry."

No Award in 1907

Loubat Prizes

Mr. Joseph F. Loubat has endowed two prizes of $1000 and $400, respectively, for the best works published in the English language upon the history, geography, archæology, ethnology, philology, or numismatics of North America. The next award will be made in 1908. Competition is open, under the deed of gift, to all persons, whether connected with Columbia University or not, and whether citizens of the United States or of any other country. No treatise shall be eligible for the purposes of the competition except such as relate to the topics involving antiquarian research, or that refer to events prior to 1776. In order to insure consideration of their works, authors are invited to send copies to the President of Columbia University not later than April 1 of the year in which the prize is to be awarded; but the competition will not be restricted to works thus submitted. For names of the Committee of Award for 1908, and for further details, address the Secretary of the University.

Award of 1893: First Prize, HENRY ADAMS, for his "History of the United States of America during the Administrations of Jefferson and Madison."

Second Prize, A. F. BANDELIER, for his "Report of Investigations among the Indians of the Southwestern States."

Award of 1898: First Prize, WILLIAM HENRY HOLMES, for his work entitled "Stone Implements of the Potomac—Chesapeake Tidewater Province."

Second Prize, FRANZ BOAZ, Ph.D., for his monograph entitled "The Social Organization and the Secret Societies of the Kwakiutl Indians."

In 1903, no award

Grant Squires Prize

The Grant Squires Prize, the income for five years of a fund of

$1000, established by Grant Squires, A.B. '85, LL.B. '87, is awarded at the close of every quinquennial period, to such graduate conducting an original investigation of a sociological character as shall be adjudged most worthy by a Committee of Award, consisting of the President, the Professor of Sociology, and one of the professors of Political Economy, appointed by the Faculty of Political Science. The next award will be in 1910. Such award shall be deemed to be a recognition of scientific ability and achievement, as well as an encouragement of research

Award of 1905

EDWARD W. CAPEN

Toppan Prize

A prize known as the Robert Noxon Toppan Prize, the income of an endowment of $4000, in memory of Robert Noxon Toppan, LL.B. '61, is awarded annually to the member of the School of Law or of Political Science who shall pass the best written examination upon a paper prepared by the Professor of Constitutional Law.

Award of 1907

ALFRED WILLIAMS HAYWOOD, JR.

Prizes of the Dante Society

The Dante Society of Cambridge, Mass., offers an annual prize of $100 for an essay on a subject drawn from the life or works of Dante. This prize is open to competition by students of Columbia University and by graduates of not more than three years' standing. For particulars, see the announcement of the Division of Modern Languages.

Prizes of the New Jersey Alumni Association

Two prizes of $50 each are awarded annually by the New Jersey Alumni Association to the New Jersey students who pass the best entrance examinations to Columbia College and the Schools of Applied Science, respectively; with the proviso that before the award these students shall complete satisfactorily one half-year of academic work.

Awards of 1907

Columbia College—GEDDES SMITH, 1910
Schools of Applied Science—MALCOLM DAVID MALCOLMSON, 1910

Scholarships and Prizes in Columbia College

Seventy-two scholarships, of the annual value of $150 each, are open for competition in Columbia College. All scholarships are intended to be academic honors. Award is made, with the exception of the scholarships depending upon entrance examinations, by the Com-

mittee on Scholarships. Unless otherwise indicated, application for award for each year of incumbency must be made on or before May 1, on blanks furnished by the Secretary of the University. Awards will be announced not later than July 1.

No student who has incurred serious academic censure, or who obtains leave of absence for the year of appointment, will be considered for reappointment. Failure to maintain a grade of at least C in all courses taken may, and in the case of competitive scholars will, vacate the scholarships. Vacancies may be filled at the discretion of the Committee. Payment of one or both instalments of the stipend may be withheld if the student proves undeserving.

The stipend of the scholarship is sufficient to pay the tuition fees of a student electing not more than 15 points in Columbia College. Students permitted by the Dean to take more than 15 points or to elect professional courses must pay the difference between the amount of the scholarship and the charge fixed by the statutes for the courses elected.

Section I—Competitive Scholarships awarded, not later than July 15 in the order given, by the Committee on Admissions to those qualified Freshmen who pass in June the best entrance examinations in subjects aggregating the fifteen points requisite for admission. The examination may be taken at any point in Greater New York where examinations are held by the College Entrance Examination Board. No applications are required from candidates for first appointment. Reappointments are made under the general regulations of the Committee on Scholarships.

Alumni Competitive Scholarships 4
Founded by the Trustees in 1890, one awarded annually.

For 1907–08:

Class of 1909—Herbert Calvin Skinner
Class of 1911—Louis Grossbaum

Hewitt and Harper Scholarships (2 each) 4
Endowed by the gift of Abram S. Hewitt, LL.D., of the Class of 1842, and by the bequest of Joseph W. Harper, A.M., of the Class of 1848. One open annually for competition to graduates of New York City high-schools.

For 1907–08:

Harper, Class of 1908—Clement S. Brainin
Hewitt, Class of 1909—Francis Salzano
Harper, Class of 1910—Arthur Yokel
Hewitt, Class of 1911—Herman Joseph Muller

Brooklyn Scholarships..... 12—20

Founded by the Trustees in 1895, in recognition of ex-President Low's gift of a memorial building for the University Library. Three are open for competition annually to residents of Brooklyn trained either in the public or the private schools of that borough.

For 1907–08:

Class of 1908—Louis Jacob Wolff
Ira Skutch
Class of 1909—Charles Rivers Carrol
Gerard Alston Reichling
Class of 1910—Carl Fritz Hüttlinger
Mortimer Brenner
Paul William Aschner
Class of 1911—Frederick Thomas Bowers
Irvin Reed Downs
Abraham Maurice Amdursky

McClymonds Scholarship

The Louis K. McClymonds Scholarship of the annual value of $650, maintained by Mrs. Annie K. McClymonds in memory of her late husband, is open to that candidate for the degree of B.A. or B.S. who shall have satisfactorily completed the requirements for admission, and who in the judgment of the Faculty of the College shall be deemed most deserving of appointment. Other things being equal, preference shall be given to sons of American-born parents who have no other means of providing for their tuition and living expenses during the academic year.

For 1907–1908

James Handforth Mackintosh

Section II—General Scholarships awarded to applicants whose record for ability and scholarship obtained either before or after matriculation gives evidence of special fitness for the course of study which they wish to pursue. Candidates in their first year of residence at Columbia University must be strongly recommended by the college or school from which they have come, and have shown marked proficiency or promise in college work. Students not in need of financial aid cannot be considered as applicants, nor can those who through physical, mental, or moral weakness give little promise of future usefulness.

A. Open to members of any class:

Faculty Scholarships established by the Trustees..... 6

Beck Scholarship..... 1
Established in recognition of the liberality of Charles Bathgate Beck, A.B. 1877, LL.B. 1879.

Campbell Scholarships..... 2
In memory of Robert B. Campbell, 1844, and Henry P. Campbell, 1847, established by Miss Maria L. Campbell and Miss Catharine B. Campbell.

Class of 1848 Scholarships..... 2
Established through the liberality of a member of the Class of 1848.

Scholarships of the Society for Promoting Religion and Learning Scholarships..... 8–19
Founded and awarded by this Society.

B. Open only to Freshmen. The requirements for admission must be completed before matriculation. For award after entrance, applications should be filed not later than October 4, 1907, or February 13, 1908. In general awards will not be made later than December 1, or March 1, respectively.

Schermerhorn Scholarships..... 5
Endowed by John Jones Schermerhorn A.B. 1825.

Moffat Scholarships..... 2
Endowed by William B. Moffat, A.B. 1838; M.D. 1842.

Stuart Scholarships..... 2
Endowed in memory of Sidney Barculo Stuart, A.B. 1880; LL.B. 1882; and Eugene Talman Stuart, A.B. 1881, Ph.B. 1882, LL.B. 1883, by their grandmother, Cornelia A. Atwill.

Alumni Association Scholarships..... 4—13
Established by the Trustees in recognition of the interest that the Alumni Association has always shown in the affairs of the College.

C. For award to students not less than one year in residence:

Benefactors Scholarships. Morgan (5), Vanderbilt (5), A. A. Low (3), Cutting (2), Clark (2), Sloan (1), Parish (1), Schiff (1) —20
Established by the Trustees in 1899 in recognition of the liberal gifts for the purchase of the site on Morningside Heights received from J. Pierpont Morgan, Cornelius Vanderbilt, A. A. Low, R. Fulton Cutting, Alfred Corning Clark, Samuel Sloan, Henry Parish, Jacob H. Schiff, and others, designated collectively as "Benefactors Scholarships," of which twenty have been assigned to the College. ——72

Prize of the Alumni Association

A prize of fifty dollars in money or its equivalent "to the most faithful and deserving student of the graduating class" was estab-

lished in 1858 by the Association of the Alumni of Columbia College. The graduating class selects the incumbent from three names submitted to it by the Faculty; or if, ten days prior to Commencement, the class should notify the President of the University of its failure to make a selection, the award may be made by the Faculty.

Names Submitted in 1907:

HARRY DREW EGBERT (selected by Class for prize)
ROBERT HENRY HASKELL
WILLIAM GRANT PALMER

Chanler Historical Prize

By the bequest of J. Winthrop Chanler, A.B. '47, the income of $1000 is awarded annually, on Commencement Day, to the member of the graduating class of Columbia College who, in the judgment of the Faculty, shall be the author of the best original manuscript essay on the history of civil government in America, or some other historical subject, the subject for 1908 being "Daniel Webster and the Slavery Question."

No Award in 1907

Curtis Medals

An endowment fund of $1000 has been established by an associate of the late George William Curtis in the work of Civil Service Reform, for the award of two medals of gold and silver for excellence in public delivery of English orations to students in Columbia College. Competitors must be either third- or fourth-year students in regular standing, or in exceptional cases, and with permission of the Dean, special students taking corresponding courses amounting to not less than 12 hours a week. The Department of English publishes about November 1 a list of subjects for the competition. Subjects not on the list may be chosen with the consent of the department provided that application be made not later than December 1. The contestants will be selected by the department at a preliminary competition which will not be open to the public. The final public competition will be held not less than two weeks later. The award will be made by judges appointed by the President.

Award of 1907

Gold Medal—FREMONT AMASA HIGGINS, 1908
Silver Medal—BERNARD ABRAHAM ROSENBLATT, 1907

General Theological Seminary Prizes

Regulations as to the Seminary prizes adopted by the Protestant Episcopal Society for Promoting Religion and Learning in the State of New York, at a stated meeting held on April 25, 1900:

Notice shall be given every year of the conditions of the prizes under the old regulations (see Announcement of the College for 1900–01, page 72), and applications invited. Wherever the conditions of the preceding competition show that one or both of the prizes have not been taken for lack of applicants, notice shall at the same time be given of the competition for the prize or prizes thus open under the new regulations set forth each year in the *Announcement of Columbia College*.

The Society's Greek Seminary Prize amounts to $30 and the Society's English Prize to $20.

Award of 1907

Greek—Bernard Campbell, 1907
English—No award

John Dash Van Buren, Jr., Prize in Mathematics

A prize known as the John Dash Van Buren, Jr., Prize in Mathematics was established by Mrs. Louis T. Hoyt in memory of her nephew, John Dash Van Buren, Jr., a member of the Class of 1905. The annual income of $5000 is awarded to the candidate for an academic degree who passes the best examination in analytical geometry, differential and integral calculus, and in such additional subjects as the Department of Mathematics may prescribe.

Award of 1907

Henry Blumberg

Undergraduate Prizes in Belles-Lettres

Three prizes aggregating $150, are offered annually by J. E. Spingarn of the Class of 1895, for encouraging the study of belles-lettres among the students of Columbia College. A prize of $60 is offered for the best poem, $50 for the best critical essay on a work or works of the imagination, and $40 for the best short story, to be submitted on or before February 1 of each year. Further information may be obtained from the Secretary of the University.

Award of 1907

For the best poem:	Rhys Carpenter
Honorable mention:	A. Joyce Kilmer and C. S. Wupperman
For the best critical essay:	Rhys Carpenter, Leon Fraser } Prize divided
For the best short story:	Fred Jackson
Honorable mention:	Matthew Goldman and G. W. Cronyn

Award of Honors, Columbia College, 1907

(See page 179)

Departmental Honors

Chemistry Michael Heidelberger, *Second Year*
Frederick William Zons, *Final*
English Edwin H. Woarms, *Third Year*
Highest Final General Honors Harry Blumberg
Isaac Maurice Wormser

General Honors

Class of 1907

Henry Bierman
Henry Blumberg
Lester Harrisson
Frederick Adolph Herman Leuchs
William Grant Palmer
Edwin Hess Woarms
Frederick William Zons

Class of 1908

George Jardine Bagley
Clement S. Brainin
Barnard Sawyer Bronson
Irving Comes Demarest
Alfred Herrmann
Fremont Amasa Higgins
Alexander Holtzoff
Winfred Scribner Mabee
Fred Hamilton Rindge, Jr.
Walter Bligh Woodbury

Class of 1909

Albert Louis Baum
William G. Cane
George Brokaw Compton
John Leonard Kantor
Gaillard Sherburne Rogers
Francis Salzano

Class of 1910

Mortimer Brenner
Arthur Gunther
John Dotha Jones
Paul Louis Rapp
Rollo L. de Wilton

Scholarships and Prizes in the School of Law

Twenty-one scholarships of the annual value of $150 each are available annually for award to candidates for the degree of Bachelor of Laws standing in need of pecuniary aid and whose record for ability and scholarship gives evidence of special fitness for the work of the school.

The scholarships will be awarded by the Faculty at its meeting in June, immediately preceding Commencement. Scholarships not allotted at the June meeting, or becoming vacant, may be filled by the Faculty at its discretion. The awards will be made public not later than July 1.

Benefactors Scholarships.—Eight Morgan and eight Vanderbilt Scholarships, known as Benefactors Scholarships, may be awarded to students who have been in the school for at least one year.

Faculty Scholarships.—Four Faculty Scholarships of the annual value of $150 each may be awarded to members of any class.

Beck Prize Scholarships.—The Charles Bathgate Beck Prize Scholarship is awarded to first-year candidates who shall pass the best examination in the subjects relating to Real-Estate Law. The holder shall, provided he remains a member of the school, receive one year's income of the prize fund established by the will of Charles Bathgate Beck in equal semi-annual instalments, during the two years following the award. If two or more students pass examinations of equal merit, the income of the fund may be divided.

Awards of Bech Scholarship

1900–1901	Charles R. Gauter	1904–1905	John M. Griffith
1901–1902	Henry Starr Giddings	1905–1906	Charles B. Shelton
1902–1903	H. H. Babcock	1906–1907	Robert Leroy
	E. P. Grosvenor	1907–1908	Charles M. Travis
1903–1904	E. L. Beatty		

Fellowships, Scholarships, and Prizes in the College of Physicians and Surgeons

Alumni Association Fellowships

Provision is made annually by the Alumni Association of the College of Physicians and Surgeons for three fellowships, tenable for one year and of an annual value of $500, open to graduates who have shown special aptitude for scientific research in the Departments of Anatomy, Physiology, and Pathology. Appointments are made by the Executive Committee of the Alumni Association from candidates presented by the professors of Anatomy, Physiology, and Pathology.

Incumbents are expected to devote themselves to scientific research in the department which they may elect, either at Columbia University, where they enjoy free tuition and the privileges of the laboratories or in other institutions either here or abroad, at their own expense, and at the end of the year's work to present to the Association a thesis containing evidence of independent or original work in their special department.

For 1907–08:

In Pathology—Wilbur Ward

In Anatomy—Hermann von Wechlinger Schulte

Proudfit Fellowship in Medicine

The Maria McLean Proudfit Fellowship, endowed by the late Alexander Moncrief Proudfit, A.B. '92, for the encouragement of advanced studies in medicine, is open to any son of native-born American parents, a graduate in medicine, who shall pursue advanced studies in internal medicine under the direction of the Medical Faculty of the University, and who shall, while enjoying such fellowship, remain unmarried, and shall be appointed by the University Council upon the recommendation of the Faculty of Medicine. Appointment shall be made every four years, upon terms to be designated by the Faculty. The Fellow shall carry on his studies under the direction of the Faculty of Medicine.

Proudfit Fellow in Medicine:

1904–08 Linsly Rudd Williams

Alonzo Clark Scholarship

By the will of the late Alonzo Clark, M.D., LL.D., for many years President of the College of Physicians and Surgeons, and Professor of Pathology and Practical Medicine, it has been placed in the power of the Faculty to bestow a scholarship, with an income of about $700 a year, for the purpose of promoting the discovery of new facts in medical science.

Award of 1907–08:

Augustus B. Wadsworth

Prizes

The following prizes are awarded for the best medical essay submitted under the conditions named in the statement of each prize, and, in addition, under the following general regulations:

Each essay must be marked with a device or motto, and accompanied by a sealed envelope similarly marked and containing the name and address of the author, and a written statement that the essay contains the result of original investigation made by him, that it is not the work of more than one author, and that it has not at the same time been submitted for any other prize. If in any case no essay is received that is deemed sufficiently meritorious, the prize will not be awarded.

Alumni Association Prize

The Alumni Association Prize of $500 is awarded biennially (next award, 1908) to an alumnus of the College of Physicians and Surgeons for the best medical essay submitted upon any subject that the writer may select. Essays should be sent to the Secretary of the Alumni Association of the College of Physicians and Surgeons on or before April 1 of the year of award. Next award Commencement 1908.

Cartwright Prize of the Alumni Association

The Cartwright Prize of $500 was endowed by a bequest of $10,000 left by Benjamin Cartwright, and is offered for competition in alternate years with the Alumni Association Prize.

It is awarded on the same terms as the latter, except that it is open to universal competition.

Award of 1907

R. M. YERKES

Joseph Mather Smith Prize

The fund for this prize was given by the relatives, friends, and pupils of the late Dr. Smith, as a memorial of his services as Professor in the College of Physicians and Surgeons from 1826 to 1866. Under the provisions of the trust an annual prize of $100 is awarded for the best essay on the subject of the year, presented by an alumnus of the College. The competing essays should be sent to the Dean of the College of Physicians and Surgeons on or before March 10.

No Award in 1907

Stevens Triennial Prize

The Stevens Triennial Prize, value $200, established by the late Alexander Hodgdon Stevens, M.D., formerly President of the College of Physicians and Surgeons, is open for universal competition.

The Dean of the Medical Faculty, the President of the Alumni Association of the College of Physicians and Surgeons, and the Professor of Physiology, are, ex-officio, the administrators of the prize. Essays must be in the hands of the first-named on or before January 1, 1909.

Scholarships

Open to Candidates for the Degree of M.D.

The award of these scholarships is made only to students whose record for ability and scholarship gives evidence of special fitness and who need pecuniary aid to obtain an education. Scholarships are available annually and tenable for one year with an annual value of $250 each.

Harsen Scholarships

The income of a fund established by the late Jacob Harsen, M.D. in 1859, for the purpose of "promoting the study of Medical and Surgical Practice," has, under an order of the Supreme Court, been made available for the award of five scholarships to students in the College of Physicians and Surgeons, in lieu of the Harsen prizes heretofore awarded. Of these scholarships, which are known as the "Harsen Scholarships," two may be awarded to students taking the second

year in the medical course; two to students in their third year; and one to students in their fourth year, provided that the aggregate of the stipends of such scholarships shall not exceed the income earned by the fund during the preceding year.

Faculty Scholarships

These are four in number and may be awarded to members of any class.

Vanderbilt Scholarships

In recognition of the liberal gifts of William H. Vanderbilt to the College of Physicians and Surgeons, four scholarships, to be known as the "William H. Vanderbilt Scholarships," have been established. These are open to students of any class.

Scholarships and Prizes in the Schools of Mines, Chemistry, and Engineering

Thirty-five scholarships of the annual value of $250 each are available annually for award to meritorious candidates for professional degrees in Mines, Engineering, and Chemistry, who are in good academic standing, and in need of pecuniary aid.

The awards will be made not later than July 1 by the Committee on Scholarships. Scholarships not allotted at this time, or becoming vacant, shall be filled by the Committee at its discretion.

In recognition of the liberal gifts for the purchase of the site on Morningside Heights which have been received from J. Pierpont Morgan, Cornelius Vanderbilt, D. Willis James, Morris K. Jesup, Samuel D. Babcock, Oswald Ottendorfer, and others, the Trustees have established a number of scholarships, twenty-seven of which are open to students in the Schools under the Faculty of Applied Science, as follows: seven Morgan, seven Vanderbilt, ten James, one Jesup, one Babcock, and one Ottendorfer. These scholarships may be awarded to students who have been in the University for at least one year.

In addition to the above, eight Faculty scholarships may be awarded to members of any class.

Marcus Daly Scholarship in Mining Engineering

The Marcus Daly Scholarship of the annual value of $1000, maintained by Mrs. James W. Gerard in memory of her father, is open to that worker or descendant of a worker in the Montana mines who passes the best competitive entrance examinations to the course in mining engineering. The winner of the scholarship shall hold the same throughout his course in mining engineering, subject to the same conditions of reappointment as those imposed upon the holders of competitive scholarships in Columbia College. As soon as the term

of one holder of the scholarship is about to expire, another competitive examination is held.

Scholar for 1905–08:

HENRY FARMER DAVIS

Illig Medals

A bequest of $2000 left by William C. Illig, E.M. '82, provides for the annual award of medals at Commencement to the student or students in the graduating class of the Schools of Mines, Engineering, and Chemistry, who shall, in the judgment of the Faculty, have merited the same by commendable proficiency in their regular studies.

Award of 1907:

ARTHUR ISADOR DEHUFF
STANLEY FRANK BOND
VICTOR R. GREIFF

Darling Prize

The Edward A. Darling Prize in Mechanical Engineering, the income of $1000, bequeathed by Edward A. Darling, formerly Superintendent of Buildings and Grounds, shall be awarded annually to the most faithful and deserving student of the graduating class in mechanical engineering, the recipient of the prize to be chosen by ballot by members of the graduating class in the Course in Mechanical Engineering from among three names to be chosen by the Faculty of Applied Science.

Award of 1907:

MARIO GEROLAMO CARBONE

Scholarships and Fellowships in the School of Architecture

Columbia Fellowship

The Columbia Fellowship in Architecture, the net income of $13,000, established in recognition of the gifts of F. Augustus Schermerhorn, E.M. '68, to the Department of Architecture, is open each year to graduates of the three preceding years, and is awarded in June as the result of a competition in design. The winner is required to spend a year in the School as a graduate student in Design. The value of this Fellowship in 1907 is $536.

Columbia Fellows in Architecture. (NOTE—Until 1905 this was a travelling fellowship awarded biennially):

1890–91 ARTHUR A. STOUGHTON
1892–93 HORACE B. MANN
1894–95 SETH JUSTIN TEMPLE
1896–97 WILLIAM KINNE FELLOWS
1898–99 WILLIAM CLARK AYRES
1900–01 THEODORE BLONDEL, Jr.
1902–03 ARTHUR WARB
1904–05 HUBERT VAN WAGENEN, Jr.
1905–06 THOMAS WILLIAM LUDLOW
1906–07 EMILIO LEVY

McKim Fellowships

The McKim Fellowship in Architecture, endowed by gift of Charles F. McKim of $20,000, is open to graduates who have received their degrees within six years preceding its bestowal, and is awarded in May of each year as the result of a competition in design. The holder is required to spend a year in foreign travel and study. Any incumbent who has displayed marked proficiency and promise is eligible to reappointment for one year, but no more. The value of this Fellowship is $820.

McKim Fellows in Architecture:

1891–92	A. C. M. del Monte
	Alexander M. Welch
1893–95	George Oakley Totten, Jr.
	William Lincoln Thorne
1895–97	John Russell Pope
1897–98	Harry Allan Jacobs
1898–99	John Russell Pope
	Harry Allan Jacobs
1899–1901	Livingston Pell
	William Edward Parsons
1901–02	Charles Ludwig Otto
	Edward Necarsulmer
1903–04	Francis Augustus Nelson
	George Washington Jacoby
1904–05	No incumbent
1905–07	Lucien Easter Smith
1907–08	William Lawrence Bottomley

Perkins Fellowship

A travelling fellowship, the net income from a fund of $5700, from the bequest of the late Willard P. Perkins, is awarded every fourth year, the next award being in 1910. The conditions of award and the purposes of the fellowship are the same as for the McKim Fellowships.

Perkins Fellows:

1902–03	Charles Sumner Kaiser
1906–07	Arthur Lobo

Scholarships

Four scholarships of the value of $200 are awarded in the School of Fine Arts, under the same general conditions as those in the Schools of Mines, Engineering, and Chemistry.

Barnard College

Honors

Honors are of two kinds, departmental and general honors. The regulations governing their award are the same as those for the corresponding "Honors in Columbia College" (see page 179).

Departmental—*English*	Gertrude Louise Cannon, *Final*
	Helen Carter, *Final*
	Annie Laurie Manley, *Final*
	Charlotte Rose Oesterlein, *Final*
Geology	Mary Elizabeth Lord, *Final*
	Frances May Ingalls, *Second Year*
German	Amalie Lowenthal, *Final*
	Elsie Schachtel, *Final*
Greek	Elizabeth Nitchie, *First Year*
	Josephine Ray West, *First Year*
Latin	Ethel Grace Everett, *Third Year*
	Agnes Teresa O'Donnell, *First Year*
	Margaret Mary Alacoque O'Donnell, *First Year*
Mathematics	Edna Major Wilkes, *Final*
	Mabel Louise Peterson, *Third Year*
	Louise May Tattershall, *Third Year*
	Edna Rebecca Scales, *Second Year*
	Harriet Ruth Fox, *First Year*
Zoölogy	Fannie Moulton McLane, *Final*

General—*Highest Final General Honors*

Gertrude Louise Cannon
Charlotte Rose Oesterlein
Juliet Stuart Points

Class of 1907

Amalie Louise Althaus
Helen Carter
Florence Gordon
Lillian Wellin
Marguerite Baer Israel
Mary Elizabeth Lord
Amalie Lowenthal
Elsie Schachtel

Class of 1908

Clara Cecilia Eaton
Helen Babbette Loeb
Evelyn Blunt Macdonald
Mabel Louise Peterson
Edith Cushing Richardson
Helen Ida Veith
Jennie Marie Young

Class of 1909

Alice Catharine Grant

Class of 1910

HARRIET RUTH FOX DOROTHY BROWNING KIRCHWEY
ELIZABETH NITCHIE

Scholarships

There are altogether forty-one scholarships and three special funds for the aid of needy and deserving students.

For a detailed statement of the values of the various scholarships, the conditions under which they are awarded, the regulations regarding applications, and the like, the *Announcement of Barnard College* should be consulted. This may be obtained without charge upon application to the Secretary of Barnard College.

The following is a summary of the scholarships:

Competitive

(Awarded for excellence in entrance examinations)

1. *Open to all Students:*

Trustees' Competitive Scholarship[1] 1

Jessie Kaufmann Scholarship 1

2. *Open to Particular Students:*

Brooklyn Scholarships 12

JEANNETTE AMELIA STEINECKE
MARGARET TOWER HART
ROSE L. SALMOWITZ

Lucille Pulitzer Scholarships 3

Non-competitive

(Awarded on the nomination of the Committee on Scholarships of the Faculty to worthy students who have passed at least one year in College)

1. *Open to all Students:*

Student Scholarships 12
Ella Weed Scholarship 1
Veltin School Scholarship 1
Jennie B. Clarkson Scholarship 1
Emily James Smith Scholarship 1
Anna E. Barnard Scholarship 1
Brearley School Scholarship 1
Eliza Taylor Chisholm Memorial Scholarship 1

[1]The Trustees' Competitive Scholarship was won by Jeannette Amelia Steinecke, who also won a Brooklyn Scholarship and chose to retain the latter rather than the Trustees' Scholarship. The Trustees' Competitive Scholarship was, therefore, not awarded in 1907–1908.

Graham School Scholarship 1
Keller School Scholarship 1

2. *Open to Particular Students:*

Mrs. Donald McLean Scholarship 1
Emma Hertzog Scholarship 1
Mrs. Henry Clarke Coe Scholarship 1

3. *Special Funds for the Aid of Needy and Deserving Students:*

Arthur Brooks Fund, income of $5000
Fiske Scholarship Fund, income of $5000
George W. Smith Scholarship Fund, income of $5000

Prizes

Kohn Mathematical Prize of $50
EDNA MAJOR WILKES

Herrman Botanical Prize of $50
MARY ELIZABETH LORD

Detailed statements about the conditions governing the award of prizes will be found in the current edition of the *Barnard College Announcement*, which can be obtained without charge of the Secretary of Barnard College.

TEACHERS COLLEGE

Fellowships in Education

Teachers College awards annually four or more fellowships and eight or more graduate scholarships.

Fellows for 1907–1908

Travelling Fellowship

MARY DAVIS SWARTZ

Honorary Fellowship

BAILEY BARTON BURRITT

Fellowships in Education

CLARENCE HALL ROBISON
CLIFF WINFIELD STONE

Research Scholarships

EMMETT E. GILTNER
GEORGE LEROY JACKSON
FRANKLIN CLARK MCGILL
BENJAMIN ROY SIMPSON
EDWIN REAGAN SNYDER

Graduate Scholarships

THOMAS AGNEW, Jr.
ISURN ARAI
WILLIAM CARL ROBERTSON ANDERSON
HARRY ERWIN BARD
HARVEY P. DOLE
LOUISE PHILLIPS GLANTON
LAWRENCE BENJAMIN HILL
CHARLES SIMPSON MEEK
ALFRED ERNST REJALL
SAMUEL HENRY THOMPSON
GUY FRED WELLS

Undergraduate Scholarships

Tileston Scholarship

FRED THORNE

Shackleford Scholarship

ALBERT FORD

Pierrepont Scholarship

ADELE MAY JONES

Pond Scholarship

MARIE LOUISE PINCKNEY

Charlotte Louisa Williams Scholarships

JANE HERBERT NICHOLSON
MARY CORNELIA RAINEY

Earl Scholarships

LEO FREEDMAN
JOHN NATHAN LOBDELL

Hoadley Scholarships

LOTA LEE TROY
IDA MILLER HOWARD

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Prize of the Daughters of the Confederacy

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College of Pharmacy

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A cash prize of $200 is presented annually by Mr. Max J. Breitenbach for the highest proficiency in the Senior University Course.

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UNIVERSITY BIBLIOGRAPHY

For the Academic Year Ending July 1, 1907

I. Official Publications of Columbia University

Unless otherwise stated, all the publications named below are distributed without charge upon application to the Secretary of Columbia University.

Annual Catalogue: See Table of Contents, pages iii–ix. Issued each December. Price 25 cents.

Annual Reports of the President and the Treasurer to the Trustees: issued each November.

Directory of Officers and Students: issued each year soon after the opening of the University; contains the names, office hours, and addresses of the officers of the University, and the names and addresses of the students registered up to the time of publication.

General Catalogue of the Alumni: issued sextennially; contains the names and addresses of all graduates of the University. The current edition is that of 1906. Price, $2.00. For sale at the University Press Bookstore and in the office of the Registrar.

Announcements of the various parts of the work of the University are issued in the spring of each year and contain detailed information concerning admission, expenses, courses of instruction to be given during the coming year, and requirements for degrees. They include:

Columbia College, for the work for men leading to the degree of Bachelor of Arts.

School of Law, for the work leading to the degree of Bachelor of Laws.

College of Physicians and Surgeons, for the work leading to the degree of Doctor of Medicine.

Schools of Mines, Engineering, and Chemistry, courses in Mining and Metallurgy, in Chemistry, and in Civil, Electrical and Mechanical Engineering.

Faculties of Political Science, Philosophy, and Pure Science, for all non-professional advanced work leading to the degrees of Master of Arts and Doctor of Philosophy.

Faculty of Fine Arts, including courses given in the School of Architecture, the School of Music, the School of Design, and in

the Departments of Fine Arts and Music in Teachers College, and courses in allied subjects.

Yale-Columbia Courses in Foreign Service.

Extension Teaching, Residence Halls, Summer Session.

Summer Courses in Medicine.

Circular of Information as to Entrance Examinations and Admission.

Circular of General Information, with views of the University buildings.

Student Organizations, Athletic and Other, under the supervision of the Comptroller of Student Organizations.

Announcements of the several divisions of the University are issued in the spring, and contain full information concerning the work of the coming year, or years, in those divisions. These circulars are devoted to Biology; Classical Philology; Geology, Geography, and Mineralogy; History, Economics, and Public Law; Mathematical and Physical Science; Modern Languages and Literatures; Physical Education; Oriental Languages; Philosophy, Psychology, and Anthropology.

Publications of Barnard College:

Announcement of Barnard College: contains full information concerning admission, expenses, courses of instruction, and requirements for the degree of Bachelor of Arts.

Report of the Dean: issued yearly.

These publications are distributed without charge upon application to the Secretary of Barnard College.

Publications of Teachers College:

Announcement of Teachers College: issued annually; contains full information concerning the organization, equipment, and work of this institution, the Department of Education of Columbia University.

Report of the Dean: issued each November.

Special Circulars describing the work of the departments of:

Educational Psychology, History and Philosophy of Education, Educational Administration, Secondary Education, Elementary Education, Physical Education, Kindergarten, Domestic Art, Domestic Science, Fine Arts, Manual Training, Music, and of other departments.

These may be obtained without charge upon application to the Secretary of Teachers College.

Special **Announcement of Extension Teaching,** and **Syllabi of Extension Courses,** a list of which may be had by addressing the Director of Extension Teaching, Teachers College.

Circular of the Horace Mann School; a school fully equipped with kindergarten, elementary,

and secondary classes, maintained by Teachers College as a school of observation.

This circular may be obtained without charge upon application to the Superintendent of the Horace Mann School.

Publications of the College of Pharmacy:

Announcement of the College of Pharmacy, issued annually; contains full information concerning the organization, equipment and work of this institution.

II. The Columbia University Press

The Columbia University Press was organized with the approval of the Trustees of Columbia College and was incorporated June 8, 1893, for the purpose of promoting the publication of works embodying the results of original research. The Press is a private corporation, related directly to Columbia University by the provisions that its Trustees must always be officers of the University, and that the President of the University shall be the President of the Press.

Trustees

THE PRESIDENT OF THE UNIVERSITY (*ex-officio*)
WILLIAM H. CARPENTER, *Secretary*
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During the year ending July 1, 1907, the Press, through the Macmillan Co., of New York and London, its publishing agents, issued: Cadwallader Colden: A representative Eighteenth-century official. By ALICE MAPELSDEN KEYS. 1906. 14+375 p.——The glacial history of Nantucket and Cape Cod, with an argument for a fourth centre of glacial dispersion in North America. By J. HOWARD WILSON. 1906. 10+90 p. 36 pl.; and issued numbers of the following:[1]

Biological Series; Geological Series; Lectures upon the George Blumenthal Foundation; Germanic Studies; Indo-Iranian Series; Oriental Studies; Studies in classical Philology; *Columbia University Quarterly*, and *Teachers College Record*.

III. Publications, Contributions, and Serial Studies from the University[2] with Date of Foundation

Unless otherwise indicated these are published by the editor from Columbia Uni-

[1] For previous issues from the Press see the *University Catalogue* for 1899–1900, pages 398–399; 1900–1901, pages 455–456; 1901–1902, pages 439–441; 1902–1903, pages 445–449; 1903–1904, pages 439–443; 1904–1905, pages 465–470; 1905–1906, pages 440–444; 1906–1907, pages 384–387; and the full catalogue issued by The Macmillan Co.

[2] For purposes of record and information, it is the aim to publish each year a complete list of the numbers issued in each of these series during the preceding academic year. If no list appears under a given heading, it may be assumed that no numbers were issued.

versity; the Press publications through the Macmillan Co. When prices are not given they may be had on application.

Biological Series.—1892; managing editors, H. F. Osborn and E. B. Wilson; Columbia University Press, about one volume a year per volume (from 300 to 400 pages), $2.00 to $3.50.

Vol. X. Behavior of the lower organisms. By H. S. JENNINGS. 1906. 14+366 p. il.

Botanical Club, Memoirs of the Torrey.—1889; published by the Club; $3.00 per volume.

Botany, Contributions from the Department of.—1886; short papers, in part reprints; editor, L. M. Underwood; per volume (about 330 pages, 30 plates), $5.00.

No. 229. The pedunculate species of Trillium. By HENRY ALLAN GLEASON (1906). ——No. 230 The behavior of the pollen-tube in Houstonia cœrulea. By CHESTER ARTHUR MATTHEWSON (1906).——No. 231. American Ferns—VII. By L. M. UNDERWOOD (1907).——No. 232. Some Lactarii from Windham County, Vermont. By GERTRUDE S. BURLINGHAM (1907).——No. 233. A study of the influences of Magnesium sulphate on the growth of seedlings. By GERTRUDE S. BURLINGHAM (1907).—— No. 234. American Ferns—VIII: A preliminary review of the North American Gleicheniacea. By L. M. UNDERWOOD (1907).

Botany, Memoirs of the Department of.—1895; more extended monographs; editor, L. M. Underwood; $6.00 per volume; list on application.

Chemistry, Contributions from the Havemeyer Laboratories.—1898; reprints of papers recording research by officers and students in the School of Chemistry; managing editor, C. F. Chandler; issued annually; price on application.

Vol. IX., No. 123. Researches on quinazolines (Fifteenth paper). On a 3-aminoquinazoline, and the corresponding 3, 3′ diquinazolyl, from 6-nitroacetanthranil and hydrazine hydrate. By M. T. BOGERT and H. A. SEIL.——No. 124. Researches on quinazolines (Sixteenth paper). Synthesis of 6-nitro-2-methyl-4-ketodihydroquinazolines from 5-nitroacetanthranil and primary amines. By M. T. BOGERT and ELLEN P. COOK. ——No. 125. The measurement of temperature in the formation of carborundum. By S. A. TUCKER and ALEXANDER LAMPEN.——No. 126. An electrical resistance furnace for the measurement of higher temperatures with the optical pyrometer. By ALEXANDER LAMPEN.——No. 127. Platinum silver alloys. By JOHN F. THOMPSON and EDMUND H. MILLER.——No. 128. The insoluble chromicyanides. By F. V. D. CRUSER and EDMUND H. MILLER.——No. 129. Seasonal variations in the composition of cows' milk. By H. C. SHERMAN.——No. 130. Researches on quinazolines (Seventeenth paper). The synthesis of quinazoline carboxylic acids from 4-aminoisophthalic acid and from aminoterephthalic acid. By M. T. BOGERT, J. D. WIGGIN, and J. E. SINCLAIR.——No. 131. Researches on quinazolines (Eighteenth paper). On 2, 3-dialkyl-4-quinazolines and the products obtained by alkylating 2-alkyl-4-quinazolines (2-alkyl-4-hydroxy quinazolines). By M. T. BOGERT and H. A. SEIL.——No. 132. Researches on quinazolines (Nineteenth paper). The synthesis of 1, 3, 6, 8-naphthotetrazines from p-diaminoterephthalic acid and from certain of its derivatives. By M. T. BOGERT and J. M. NELSON.——No. 133. Some new double phosphates of iron (ferric) and aluminium. By LOUIS J. COHEN.——No. 134. The calculation of some chemical equilibria. By K. GEORGE FALK.——No. 135. Iron in food and its functions

in nutrition. By H. C. SHERMAN.—No. 136. Ammonia in milk and its development during proteolysis under the influence of strong antiseptics. By H. C. SHERMAN, W. N. BERG, L. J. COHEN, and W. G. WHITMAN.

Classical Philology, Studies in.—1902; results of original research in the classical languages and literatures; edited by H. T. Peck and E. D. Perry; Columbia University Press.

The influence of a stress accent in Latin poetry.—By ELIZABETH HICKMAN DU BOIS. 1906. 5+96 p.

Comparative Literature, Studies in.—1899; results of literary research or criticism; editors J. B. Fletcher and J. E. Spingarn; Columbia University Press. Eight volumes have already been published, and others are in preparation.

Education, Columbia University Contributions to.—1905; A series of monographs published by Teachers College, continuing the educational numbers of the Columbia University Contributions to Philosophy, Psychology, and Education; consist of dissertations for the doctor's diploma and degree and works of a similar character; four or five numbers per year; 100–200 p. and over.

No. 7. The public primary school system of France, with special reference to the training of teachers. By FREDERIC ERNEST FARRINGTON. 1906. 303 p. Price, $2.50, *net.*——No. 8. The educational significance of Sixteenth-century arithmetic. By LAMBERT LINCOLN JACKSON. 1906. 232 p. Price, $2.00, *net.*——No. 10. The college curriculum in the United States. By LOUIS FRANKLIN SNOW. 1907. 187 p. Price, $1.50 *net.* ——No. 11. The seven liberal arts; a study in medieval culture. By PAUL ABELSON. 1906. 8+151 p. Price, $1.50, *net.*——No. 12. Administration and educational work of American juvenile reform schools. By DAVID S. SNEDDEN. 1907. 204 p. Price, $2.00, *net.*——No. 13. The concept of equality in the writings of Rousseau, Bentham, and Kant. By J. A. T. WILLIAMS. 1907. 85 p. Price, 75c., *net.*——No. 14. Herbart and Froebel: An attempt at synthesis. By RICHARD PERCIVAL COLE. 1907. 116 p. Price, $1.00, *net.*——No. 15. Public education in Upper Canada (Ontario). 1791–1841. By HERBERT T. J. COLEMAN. 1907. 120 p. Price, $1.00 *net.*

Educational Reprints, Columbia University.—1906; published by Teachers College.

Electrical Engineering, Contributions from the Department of.—1889: papers (chiefly reprints) by officers and students; managing editor, F. B. Crocker.

English, Studies in.—1900; issued by authority of the Department of English; Columbia University Press.

Geological Department, Contributions from the.—1892; include short contributions and longer monographs; managing editor, J. F. Kemp.

Vol. VIII, No. 60. The primary septæ in rugose corals. By C. E. GORDON.——No. 61. 'Ore deposits at the contacts of intrusive rocks and limestones. By JAMES F. KEMP. ——No. 62. Intercollegiate field courses in geology. By THOMAS C. BROWN.

Vol. XIII, No. 21. Cambric fossils from the Pioche Mountains, Nevada. By Fred J.

PECK.——No. 122. Paleogeography of Saint Peter's time. By CHARLES P. BERKEY. ——No. 123. Sketch of the geology and ore deposits of the Cochise mining district, Cochise County, Arizona. By L. O. KELLOGG.——No. 124. A microscopic examination of the cobalt and nickel arsenides and silver deposits of Temiskaming (Ont.,Canada). By W. CAMPBELL and C. W. KNIGHT.——No. 125. Types of sedimentary overlap. By AMADEUS W. GRABAU.——No. 126. Dikes. By JAMES FURMAN KEMP.——No. 127. Studies in the development of certain paleozoic corals. By G. E. ANDERSON.——No. 128. Do the geological relations of ore deposits justify the retention of the law of the apex? By CHARLES H. SHAMEL.——No. 129. Ore deposits at the contacts of intrusive rocks and limestones; and their significance as regards the general formation of veins. By JAMES FURMAN KEMP.——No. 130. Present structural character and probable former extent of the palisade loop (New Jersey). By ALEXIS A. JULIEN.——No. 131. The geographical classification of marine life districts. By AMADEUS W. GRABAU.

Vol. XIV. The glacial history of Nantucket and Cape Cod. By J. HOWARD WILSON.

Vol. XV. Geology and paleontology of the Schoharie Valley. By AMADEUS W. GRABAU.

Vol. XVII, No. 1 Development stages in Streptelasma Rectum. By THOMAS C. BROWN.——No. 2. The White-Knob copper deposits, Mackay, Idaho. By J. F. KEMP and C. G. GUNTHER.——No. 3. Report of paper presented to the New York Academy of Sciences by A. W. Grabau, describing the geology of Letchworth Park (Glen Iris), the new state reservation on the Genesee River, N. Y. By ALEXIS A. JULIEN.——No. 5. Structural and stratigraphic features of the basal gneisses of the Highlands, N. Y. By CHARLES P. BERKEY.——No. 6. Magmatic emanations. By FRANCIS CHURCH LINCOLN.

Germanic Studies.—1899; results of original research in Germanic languages and literatures; Editors, W. H. Carpenter and Calvin Thomas; Columbia University Press.

Vol. III. No. 2. The nature sense in the writings of Ludwig Tieck. By GEORGE HENRY DANTON. 1907. 11+99 p.

History, Economics, and Public Law, Studies in.—1891; results of original research by students in the School of Political Science; managing editor, E. R. A. Seligman; Columbia University Press; one volume or more issued yearly; price per volume, $3.00 to $4.50.

Vol. XXV, No. 1. Municipal control of public utilities. By OSCAR LEWIS POND. 1906. 117 p.——No. 2. The budget in the American commonwealths. By EUGENE E. AGGER. 1907. 219 p.——No. 3. The finances of Cleveland. By CHARLES C. WILLIAMSON. 1907. 266 p.

Vol. XXVI, No. 1. Trade and currency in early Oregon. By JAMES HENRY GILBERT. 1907. 126 p.——No. 2. Luther's Table Talk. By PRESERVED SMITH. 1907. 137 p.——No. 3. The tobacco industry in the United States. By MEYER JACOBSTEIN, 1907. 208 p.——No. 4. Social democracy and population. By ALVAH A. TENNEY. 1907. 92 p.

Vol. XXVII, No, 1. The economic policy of Robert Walpole. By NORRIS A. BRISCO. 1907. 222 p.——No. 2. The United States Steel Corporation. By ABRAHAM BERGLUND. 1907. 179 p.——No. 3. The taxation of corporations in Massachusetts. By HARRY G. FRIEDMAN. 1907. 178 p.

Vol. XXVIII, No. 1. De Witt Clinton and the origin of the spoils system in New York. By HOWARD LEE MCBAIN. 1907. 163 p.

Indo-Iranian Series.—1900; work in the Indo-Iranian Languages; editor, A. V. Williams Jackson; Columbia University Press.

Lectures upon the Blumenthal Foundation.—1906; lectures on subjects of practical politics, supported by the income of the George Blumenthal Endowment Fund.

Political problems of American development. By ALBERT SHAW. 1907. 7+268 p.

Library Bulletins.—Founded in 1897 as **Publications**; show the resources of the Library on various subjects; editor, C. Alex. Nelson; published by the Library.

Mineralogy, Contributions from the Department of.—1892; articles and text-books by officers and students; managing editor, A. J. Moses.

Vol. XIII, No. 1. Determination of the geometrical constants of a crystal from its interfacial angles. By ALFRED J. MOSES, 1906.

Observatory, Contributions from the.—1892; astronomical researches managing editor, Harold Jacoby.

Vol. I, Nos. 1–2. The Rutherford photographic measures. No. 1. LEWIS MORRIS RUTHERFORD. No. 2. Catalogue of Rutherford's photographic plates of the sun, the moon, and the stars. By JOHN KROM REES. 1906. 23 p. *Octavo.*——No. 9. The variation of latitude at New York City. By JOHN K. REES, HAROLD JACOBY, and HERMAN S. DAVIS. Part 2. The variation of latitude and constant of aberration, 1906. p. 111–342. *Quarto.*——No. 24. Rutherford photographs of the stellar clusters *h* and *x* Persei. By ANNE SEWELL YOUNG. 1906. 76 p. *Octavo.*

Oriental Studies.—1902; results of original research in the Oriental languages and literatures; edited by Richard J. H. Gottheil; Columbia University Press.

Vol. III. Old Babylonian temple records. By ROBERT JULIUS LAU. 1906. 11+89 +41 p. 35 pl.——Vol. IV. Sidon; a study in oriental history. By FREDERICK CARL EISELEN. 1907. 7+172 p.

Pathology, Studies from the Department of.—1890; results of research in the department; managing editor, T. M. Prudden; on sale by J. T. Dougherty, New York; price per volume (about 175 p), $1.00.

Philosophy, Archives of.—1907; original studies by officers and students; edited by J. E. Woodbridge; New York; The Science Press; per number, average, 75c.; per volume (about 450 pages), average, $3.00.

Physiological Chemistry—Biochemical Researches: Collected Reprints of Publications from the Laboratory of.—1899; results of research in the department; managing editor, William J. Gies; price per volume (of 700–800 pages), $5.00.

Psychology, Archives of.—1905; edited by R. S. Woodworth; New York; The Science Press; per volume (600–700 pages), $5.00.

No. 1. The psychology of mentally deficient children. By NAOMI NORSWORTHY. 1906. 3+111 p.——No. 2. On the functions of the cerebrum: The frontal lobes. By SHEPHERD IVORY FRANZ. 1907. 64p.——No. 3. Empirical studies in the theory of

measurement. By EDWARD L. THORNDIKE. 1907. 3+45 p.——No. 4. Rhythm as a distinguishing characteristic of prose style. By ABRAM LIPSKY. 1907. 3+44 p.—— No. 5. The field of distinct vision. By WILLIAM CARL RUEDIGER. 1907. 68 p.

Romance Philology and Literature, Studies in.—1900; edited by Adolphe Cohn and H. A. Todd; Columbia University Press.

University Extension Syllabi.—1903; contain outlines of study, bibliographies, and references, and furnish systematic guides for the private student, reading circles, and classes of instruction; Series A contains syllabi of collegiate courses; Series B contains syllabi of shorter lecture courses; New York; Teachers College; price, 10 cents per copy.

Series A, No. 18. School administration. By SAMUEL T. DUTTON. 1906.——No. 19. Modern European history. By CHARLES A. BEARD. 1906.——No. 20. Teaching in elementary schools. By GEORGE D. STRAYER. 1906.

Series Announced

Physiology, Studies from the Department of.—1900; reprints of articles published by officers and students of the department; edited by J. G. Curtis and F. S. Lee. (Three volumes in preparation.)

IV. Journals

Issued under the Editorial Direction of Officers of Columbia University

Bulletin of the Torrey Botanical Club.—1870; devoted to scientific botany in its widest sense; associate editors, T. E. Hazen and H. M. Richards; published by the Club monthly, 30c.; per year (about 650 p., with 40 plates), $3.00.

Charities.—1897; devoted to local and general philanthropy; editor, Edward T. Devine; Charity Organization Society; weekly, 5c.; monthly, 10c.; per year (about 600 pages), $2.00.

Classical Weekly.—1907; continuing the New York Latin Leaflet; official organ of the Classical Association of the Middle States and Maryland; will contain a complete bibliography of current Greek and Latin articles and publications; Gonzalez Lodge, editor-in-chief, assisted by an editorial board of six; weekly; per year, $1.00.

Columbia University Quarterly.—Continuing, since 1898, the **Bulletin,** founded in 1890; publishes articles on the history, the current activities, and the policy of Columbia University, for the information of its officers, alumni, and friends; edited by a committee (managing editor for 1907, R. Tombo, Jr.); Columbia University Press; quarterly (125 pages), with occasional supplements, 30c.; per year, $1.00.

Economic Geology; with which is incorporated the American Geologist.—1905; devoted to geology as applied to mining and allied indus-

tries; J. F. Kemp, associate editor; Economic Geology Pub. Co. Lancaster, Pa.; semi-quarterly; 50c.; per year, $3.00.

Educational Review.—1891; devoted to the study of education in all its forms; containing articles, discussions, book reviews, foreign correspondence, and editorial review of current events; edited by Nicholas Murray Butler; New York: Educational Review Publishing Co.; monthly, except July and August (108 p.); per year, $3.00; foreign, $3.50.

Hibbert Journal.—1902; a quarterly review of religion, theology, and philosophy; C. J. Keyser, the representative of the American editorial board; London: Williams and Norgate; per year. $2 50; per copy, 75c.

Journal of Geography.—1902; devoted to the interests of teachers of geography in elementary, secondary, and normal schools; edited by Richard E. Dodge; published by Teachers College monthly, except July and August (32 p.), per year, $1.00.

Journal of Nervous and Mental Disease.—1872; devoted to the study of diseases of the nervous system; advisory board of editors includes M. A. Starr and F. Peterson; Alliance Press Co.; monthly (80 p.), 50c.; per year, $5.00.

Journal of Philosophy, Psychology, and Scientific Methods.—1904; short articles, reports, discussions, abstracts, and reviews in the field of scientific philosophy and psychology; edited by Frederick J. E. Woodbridge; The Science Press; bi-weekly (28 p.), 15c.; per year, $3.00.

Nature-Study Review.—1904; devoted to all phases of nature-study in schools; editor, Maurice A. Bigelow; J. F. Woodhull on editorial committee; Geneva, N. Y.; (9 monthly numbers) 15c.; per year, $1.00.

Political Science Quarterly.—1886; devoted to the study of politics economics, and public law; publishes annually about 25 leading articles, especially on questions of current interest, and about 130 reviews, and gives a condensed general record of political events; edited by the Faculty of Political Science (managing editor, Munroe Smith); Boston and New York: Ginn & Co.; quarterly (about 190 p.), 75c.; per year, $3.00.

Popular Science Monthly.—1872; devoted to the diffusion of science; edited by J. McK. Cattell; New York: The Science Press; monthly (96 p.), 30c.; per year, $3.00.

School of Mines Quarterly.—1879; official organ of the Alumni Association of the Schools of Science; original papers on engineering metallurgy, chemistry, mineralogy, and geology; managing editor, R. E. Mayer; published by the editors; per year, $2.00.

Science.—1883; devoted to the advancement of science; edited by J. McK Cattell; The Macmillan Co.; weekly, 15c.; per year (about 2000 p.), $5.00.

Teachers College Record.—1899; practical problems of elementary and secondary education, and the professional training of teachers; edited by J. E. Russell; Columbia University Press; bimonthly, except July (about 100 p.), 30c.; per year, $1.00.

Torreya.—1901; a monthly journal of botanical notes and news; devoted to shorter articles than appear in the *Bulletin*, together with book reviews; editor, Marshal A. Howe; published by the Torrey Botanical Club; monthly, 15c.; per year, $1.00.

Issued with the Editorial Coöperation of Officers of Columbia University

American Anthropologist.—1888; original contributions and reviews on anthropology; edited by a board, including Franz Boas; New York: The Science Press; quarterly, $1.25; per year (about 800 p.), $4.00.

American Historical Review.—1896; devoted to the interests of historical study in the United States; publishes reviews of important works, results of original research, documents for the use of investigators, and news of the work of European scholars; six editors, including W. M. Sloane; New York: The Macmillan Co.; quarterly; per copy, $1.00, per year, $4.00.

American Journal of Anatomy.—1901; edited by a board including G. S. Huntington; T. H. Morgan and E. B. Wilson, collaborators; published in Baltimore; quarterly; per year, $5.00.

American Journal of Archæology.—1885; official journal of the Archæological Institute of America, publishing papers of the Institute and of the Schools at Athens, in Rome, and in Palestine, and annual reports of these bodies, and issuing special bulletins; honorary editors include J. R. Wheeler; business manager is C. H. Young; New York: The Macmillan Co.; quarterly, $1.50; per year, $5.00.

American Journal of Physiology.—1898; edited for the American Physiological Society; original contributions; seven editors, including F. S. Lee; Boston: Ginn & Co.; monthly; per volume (about 500 p.), $5.00.

American Journal of Semitic Languages and Literatures.—1896; containing "Hebraica"; J. Dyneley Prince, member of advisory board of editors; Chicago: University of Chicago Press; quarterly; per copy, $1.25; per year, $4.00.

American Naturalist.—Covering whole range of "natural history";

original articles and reviews; H. M. Richards, associate editor; Ginn & Co.; monthly; $4.00 per year.

Biochemisches Centralblatt.—1902; devoted to Chemistry and Medicine; sub-editors include R. Burton-Opitz; New York: G. E. Stechert; bi-monthly; per year, $7.00.

Biological Bulletin.—1899; short original contributions; seven editors, including E. B. Wilson; Lancaster, Pa.; New Era Printing Co.; monthly; per volume (six numbers), $3.00.

Biophysikalisches Centralblatt.—1905; Biology, Physiology, and Pathology; sub-editors include R. Burton-Opitz; Leipzig: Gebrüder Borntraeger; semi-monthly; per year, 30 marks.

Botanisches Centralblatt.—Since 1902 an international review for botanical literature. Editor-in-chief, H. M. Richards, American sub-editor for topics connected with physiology and ecology; Jena, Gustav Fischer; weekly; 28 marks per year.

Bulletin of the American Mathematical Society.—1891; short original contributions, reviews, reports, notes on current events, lists of new publications; editors, F. N. Cole, D. E. Smith, and others; New York: The Macmillan Co.; monthly, except July and August; per year (about 500 p.), $5.00.

Chemical Abstracts.—1907; M. T. Bogert, editor of organic abstracts, whose staff includes V. J. Chambers, K. G. Falk, and J. M. Nelson; Easton, Pa.; American Chemical Society; semi-monthly, per year, $6.00

German-American Annals.—1897 as *Americana Germanica;* comparative study of the relations of Germany and America; original researches, critical articles, and reviews; contributing editors include W. H. Carpenter and Calvin Thomas; Philadelphia: German-American Historical Society; monthly (about 64 p.), 25c.; per year, $3.00.

Goethe Jahrbuch.—1880; edited by Ludwig Geiger; English-American bibliography compiled by Rudolf Tombo, Jr.; Frankfort a./M.; yearly (about 430 p.), 10 marks.

Hygienisches Centralblatt.—1906; covering the whole range of hygiene; edited by Dr. Paul Sommerfeld; R. Burton-Opitz, American sub-editor; Leipzig: Gebrüder Borntraeger; monthly; 30 marks per volume.

Internationales Centralblatt für Laryngologie, Rhinologie und verwandte Wissenschaften.—1884; American editor, G. M. Lefferts; Berlin: A. Hirschwald; monthly; per year (about 700 p.), 15 marks.

Journal of Biological Chemistry.—Editors include C. A. Herter; N. J. Gies a collaborator.

Journal of Comparative Neurology and Psychology.—1891; original

compositions, reviews, and notices; associate editors include O. S. Strong, with collaboration of H. E. Crampton, F. S. Lee, T. H. Morgan, E. L. Thorndike, and others; published at Granville, Ohio; bi-monthly; per year, $4.00.

The Journal of Experimental Zoölogy.—1904; original contributions on experimental zoölogy, morphology, and physiology; eleven editors, including E. B. Wilson and T. H. Morgan; Baltimore; quarterly; per year, $5.00.

Journal of Morphology.—1887; original contributions on purely morphological subjects; seven editors, including E. B. Wilson; Boston: Ginn & Co.; quarterly; per year, $9.00.

Medical Review of Reviews.—1895; associate editor, A. C. Prentice; New York: Review of Reviews Co. (incorporated); monthly (64 p.); per year, $1.00.

Modern Philology.—1903; research in modern languages and literatures; advisory board includes Calvin Thomas; University of Chicago Press; quarterly; per year, $3.00.

Transactions of the American Mathematical Society.—1900; research in pure and applied mathematics; the official organ of the Society for the publication of important papers read before it; Edward Kasner, associate editor; New York: The MacMillan Co.; quarterly; per year (about 500 p.), $5.00.

V. Student Publications at Columbia University

The Barnard Bulletin.—1901; four pages, weekly; Barnard College news; per copy, 5c.; per year, $1.50.

The Columbia Jester.—1901; an illustrated comic paper, monthly during the college year; averages ten pages of reading matter with illustrations, cartoon, and a cover; per copy, 15c.; per year, $1.00 (by mail, $1.20).

The Columbia Law Review.—1901; legal articles and book reviews by writers of recognized authority, and comment upon recent cases by the editors; edited by a board of about sixteen students of the School of Law; monthly, November to June; (70 p.); per copy, 30c.; per year, $2.00.

The Columbia Monthly.—Founded in 1903, by the combination of the *Columbia Literary Monthly* (1893) and *Morningside* (1896); an illustrated magazine; articles on Columbia University, of historical and of immediate interest, stories, verse, essays, editorials, and book reviews; monthly, November to June; per year, $1.00.

The Columbian.—The annual; a bound illustrated volume, containing statistics of athletics, fraternity membership, class achievements, and other information concerning student life; published the

week before Christmas by third-year men, six elected from Columbia College and six from the Schools of Applied Science. Volume XVII was published by the class of 1907.

The Columbia Spectator.—1877; published daily, except Sunday; edited by a managing board of five, assisted by a board of six editors and from twelve to twenty-five associate editors; per copy, 3c.; per year, $3.50.

The English Graduate Record.—1905; record of the life and work of graduate students of English in the University and after leaving; three editors with G. R. Carpenter as advisory editor; single numbers, 15c.; double numbers, 25c.; per year, $1.00.

The Mortarboard.—1897; an annual corresponding to the *Columbian*, but more literary in character, including, besides the history of the junior class, poems, stories, sketches, etc.; published by a board of about eight third-year students of Barnard College; price, $1.00.

The Senior Class-Book.—A book privately printed by the graduating class of Columbia College, through an editorial board, and distributed on class-day. Revived by the class of 1899 and continued by the succeeding classes; includes pictures and autobiographies of the members, letters from the faculty, and the class-day speeches.

The Teachers College Bulletin.—1901; four pages, weekly; Teachers College news; per copy, 5c.; per year, $1.00 (by mail, $1.50).

SPECIAL FUNDS

The following funds have been given to the Trustees from time to time and are held by them for the purposes specified:

GEBHARD FUND:

Bequest of Frederick Gebhard of $20,000, for the endowment of a professorship in the German Language and Literature. 1843

FUND OF THE SOCIETY FOR PROMOTING RELIGION AND LEARNING:

Gift (through Professor McVickar) of $1000, for the endowment of two prizes, "The Society's Greek Seminary Prize," and "The Society's English Seminary Prize." 1852

HARSEN PRIZE FUND:

Bequest of Jacob Harsen, M.D., Class of 1825, of $31,114.10, for the endowment of prizes to be awarded to students in the College of Physicians and Surgeons. 1859

MOFFAT SCHOLARSHIP FUND:

Bequest of William B. Moffat, M.D., Class of 1838, of $2000, for the endowment of scholarships. 1862

STEVENS PRIZE FUND :

Gift of Dr. A. H. Stevens, Professor of Surgery, 1860–1867, of $1899.88, for the endowment of a prize. 1866

JOSEPH MATHER SMITH PRIZE FUND :

Subscription fund of $2337.81, as a memorial of Dr. Smith, for the endowment of a prize in the College of Physicians and Surgeons. 1874

CHANLER PRIZE FUND:

Bequest of John Winthrop Chanler, Class of 1847, of $1000, for the endowment of an essay prize. 1877

SCHERMERHORN SCHOLARSHIP FUND:

Bequest of John Jones Schermerhorn, Class of 1825, of $5000, for the endowment of scholarships. 1877

TYNDALL FELLOWSHIP FUND:

Gift of John Tyndall, LL.D., Professor of Natural History in the Royal Institution of Great Britain, of $10,945.50, for the endowment of a fellowship in Physics. 1885

ALONZO CLARK SCHOLARSHIP FUND:

Gift of $14,000 as a memorial of Alonzo Clark, President of the College of Physicians and Surgeons, 1875–1884, for the endowment of a scholarship. 1887

MCKIM FUND:

Gift of Charles F. McKim of $20,000, for the endowment of travelling fellowships in Architecture. 1889

COLUMBIA FELLOWSHIP IN ARCHITECTURE FUND:

Gift of F. Augustus Schermerhorn, Class of 1868, of $13,000, to the School of Architecture, applied to the endowment of a travelling fellowship in Architecture. 1889

BARNARD FUND FOR THE INCREASE OF THE LIBRARY:

Bequest by President Barnard of $59,501.64, and augmented by a bequest by his widow, Margaret M. Barnard, of $16,231.67, to endow a fund for the purchase of books, especially those relating to physical or astronomical science, and for the award of a medal for discovery in Physics or Astronomy. 1889 and 1902

BARNARD FELLOWSHIP FUND:

Bequest by President Barnard of $10,000, for the endowment of a fellowship for encouraging scientific research. 1889

DACOSTA FUND:

Bequest of Charles M. DaCosta, Class of 1855, Trustee 1886–1890, of $100,000, has provided $86,576.83, applied to the endowment of the DaCosta Professorship of Zoölogy; and of $20,000 used for fitting up the DaCosta Laboratory of Zoölogy. 1890

SLOANE MATERNITY HOSPITAL FUND:

Gift of William D. Sloane and Emily Thorn Vanderbilt Sloane, of $475,000, for the endowment of the Hospital. 1890 } 1904 }

VANDERBILT CLINIC ENDOWMENT FUND:

Gift of Cornelius Vanderbilt, William K. Vanderbilt, Frederick W. Vanderbilt, and George W. Vanderbilt, of $115,000, for the endowment of the Clinic. 1890

AVERY ARCHITECTURAL FUND:

Gift of Samuel P. Avery and Mary Ogden Avery of $30,000, in memory of their deceased son, Henry Ogden Avery. The income to be applied to the purchase of books relating to architecture, decorations, and allied arts. 1890

LOUBAT FUND:

Gift of Joseph F. Loubat of $7000, for the endowment of two prizes of $1000 and $400 to be awarded once in every five years. See page 397. 1892

TROWBRIDGE FUND:

Gift of $10,000, for the endowment of a fellowship in Engineering as a memorial of William P. Trowbridge, Ph.D., LL.D., Professor of Mining Engineering, 1877–1892,[1] subject at present to a life interest. 1893

PULITZER SCHOLARSHIP FUND:

Gift of Joseph Pulitzer of $100,000, for the endowment of scholarships. 1893

BENNETT PRIZE FUND:

Gift of James Gordon Bennett of $1000 for the endowment of an essay prize. 1893

HENRY DRISLER CLASSICAL FUND:

Gift of $10,000, presented by Seth Low, LL.D., Class of 1870, in commemoration of the semi-centennial of Professor Drisler in the service of the College, for the endowment of a fund for the purchase of books and works of art for the Greek and Latin departments. 1894

GRANT SQUIRES FUND:

Gift of Grant Squires, Class of 1885, of $1050, for the endowment of an essay prize. 1895

STUART SCHOLARSHIP FUND:

Gift of Mrs. Cornelia A. Atwill of $6000, for the endowment of the "Stuart Scholarships" in memory of her grandsons, Sidney Barculo Stuart, Class of 1880, and Eugene Talman Stuart, Class of 1881. 1896

ALEXANDER I. COTHEAL FUND FOR THE INCREASE OF THE LIBRARY:

Gift of Mrs. Samuel R. Lawrence and Mrs. James R. Swords of $6000, in memory of their brother, Alexander I. Cotheal, for the endowment of a fund for the purchase of books in the Oriental languages, or relating to Oriental subjects. 1896

ROBERT CENTER FUND FOR INSTRUCTION IN MUSIC:

Gift of Mrs. Mary Elizabeth Ludlow of real estate and securities valued at $178,046.50, for the endowment of a fund for instruction in music as a memorial of her son, Robert Center, applied to the maintenance of a professorship. 1896

STUDENTS' LOAN FUND:

Gift of Jacob H. Schiff of $5000, for the aid of needy students. 1896

H. C. BUNNER PRIZE FUND:

Gift of $1000, for the endowment of an essay prize. 1896

[1] Income paid to Mrs. Trowbridge during pleasure of Trustees.

ILLIG FUND:

Bequest of William C. Illig, Class of 1882 (S. of M.), of $2000, for the endowment of scholarship medals. 1897

MOSENTHAL FELLOWSHIP FUND:

Gift of friends of the late Joseph Mosenthal of $7500, to found a fellowship in Music. 1898

PERKINS FELLOWSHIP FUND:

Bequest of Willard B. Perkins of $5700, for a travelling fellowship in Architecture, awarded quadrennially. 1898

SCHIFF FELLOWSHIP FUND:

Gift of Jacob H. Schiff of $15,000, to found a fellowship to be awarded by the Faculty of Political Science on the nomination of the donor or his eldest living male descendant. 1898

SEIDL FUND:

The proceeds, amounting to $12,000, of a memorial performance (March 23, 1899), in honor of the late Anton Seidl. The income to be paid to Mrs. Seidl during her lifetime, and thereafter "to be applied to a Fellowship in Music in Columbia University." 1899

WARING MUNICIPAL FUND:

The Chamber of Commerce of the State of New York, in 1898, raised by public subscription the sum of $100,000, to perpetuate the memory of the late Col. George E. Waring. The income thereof to be paid to the widow and daughter of Colonel Waring during their lifetime, and thereafter to be devoted to instruction in municipal affairs. 1899

FUND FOR THE ENDOWMENT OF THE ABRAHAM JACOBI WARD FOR CHILDREN IN ROOSEVELT HOSPITAL:

Gift of an anonymous donor of $50,000, "to endow a ward for children in the Roosevelt Hospital." 1899

BECK FUNDS:

The late Charles Bathgate Beck, A.B. Class of 1877, LL.B. Class of 1879 (who died in 1894), bequeathed the sum of $10,000: $2000 to found one scholarship in Columbia College; $8000 to endow a prize in the Law School. 1899

CURTIS FUND:

Gift of the George William Curtis Memorial Committee of $10,000, to establish the George William Curtis Fellowship in the School of Political Science. 1899

DYCKMAN FUND:

Gift of Isaac Michael Dyckman of $10,000, in memory of his uncles, Dr. Jacob Dyckman and Dr. James Dyckman, both of the College of Physicians and Surgeons, to establish the "Dyckman Fund for the Encouragement of Biological Research." 1899

ALEXANDER MONCRIEF PROUDFIT FELLOWSHIP FUND:

Legacy of $15,000 from the late Alexander Moncrief Proudfit, to found the Alexander Moncrief Proudfit Fellowship in Letters. 1899

MARIA MCLEAN PROUDFIT FELLOWSHIP FUND, SCHOOL OF MEDICINE:

Legacy of $15,000 from the late Alexander Moncrief Proudfit, to found the Maria McLean Proudfit Fellowship in Medicine. 1899

TRUST FUND FOR PSYCHOLOGY:

Gift of $100,000 from John D. Rockefeller, as an endowment of the head professorship of the Psychological Department of Columbia University. 1899

CARL SCHURZ FELLOWSHIP FUND:

Fund of $10,000 from the Carl Schurz Fund Committee, to establish a fellowship in honor of Carl Schurz. 1900

CARL SCHURZ LIBRARY FUND:

Fund of $10,000 from the Carl Schurz Fund Committee, established in honor of Carl Schurz, the income to strengthen the Library in the field of the German Language and Literature. 1900

LAW BOOK TRUST FUND:

Created by act of the Trustees on March 5, 1900, by the consolidation of the Alexander Cole Gift ($1500); John Jay Jenkins Legacy ($500); John McKeon Fund ($1000); Sampson Simpson Fund ($1000); and the Edgar J. Nathan Gift ($250); total. $4250, the income to be applied to the purchase of law books. 1900

CAMPBELL SCHOLARSHIP FUND:

Gifts of $3000 each from Miss Maria L. Campbell and Miss Catharine B. Campbell, for the establishment of two scholarships in the College, in memory of Robert B. Campbell of the Class of 1844, and Henry P. Campbell of the Class of 1847. 1900

GERMAN LECTURE FUND:

Gifts to the sum of $1000 for an endowment of Public Lectures in German at the University. 1901

EATON PROFESSORSHIP FUND:

Bequest of the late Dorman B. Eaton of $100,000, to endow and

maintain a Professorship of Administrative Law and Municipal Science. 1901

DEAN LUNG PROFESSORSHIP IN CHINESE FUND:

Gift of anonymous friends of $213,000, towards the founding of a Department of Chinese Languages, Literatures, Religion, and Law, and especially for the establishment of the Dean Lung Professorship of Chinese. 1901

CLASS OF 1848 SCHOLARSHIP FUND:

Gift of $10,000 of an anonymous friend to found two scholarships in the College. 1902

GEORGE WILLIAM CURTIS MEDALS FUND:

Gift of $1000 from an associate of George William Curtis in the Civil Service Reform work to establish this fund. 1902

PHILOLEXIAN CENTENNIAL WASHINGTON PRIZE FUND:

Gift to the Philolexian Society from J. Ackerman Coles, Class of 1864. The accumulated interest is to be expended every four years for a duplicate of the life-size bronze bust of George Washington, modelled from life at Mount Vernon, by Jean Antoine Houdon, to be cast at the Barbedienne Foundry, Paris, France. The bust will be given to that member of the Philolexian Society, who, in the opinion of the President of the University, the President of the Society, and a third man of their choosing, shall be deemed most worthy, upon his delivery of an original patriotic address. 1902

PHŒNIX LEGACY:

Amounting at present to $178,597.08, being on account of one-third part of the residuary estate of the late Stephen Whitney Phœnix, bequeathed to Columbia College in 1881. 1902

JULIUS BEER LECTURE FUND:

Legacy of the late Julius Beer of $10,000 to establish this fund. 1903

JAMES S. CARPENTIER FUND:

Gift of $125,000 from General Horace W. Carpentier of the Class of 1848, in memory of his brother, James S. Carpentier, for the benefit of the Law School. 1903

GUSTAV GOTTHEIL FELLOWSHIP FUND:

Gift of $10,000 from Temple Emanu-El to establish a fellowship, the holder to be nominated by the Professors in the Semitic Languages. 1903

LOUBAT PROFESSORSHIP FUND:

Gift of $100,000 from Joseph F. Loubat to establish the Loubat Professorship in American Archæology. 1903

RICHARD BUTLER SCHOLARSHIP FUND:
Gift of $5000 from Mrs. Richard Butler in memory of her deceased husband, Richard Butler, open to students born in the State of Ohio. 1903

DARLING PRIZE FUND:
Bequest of the late Edward A. Darling, formerly Superintendent of Buildings and Grounds, of $1000 to endow an annual prize in the School of Engineering. 1903

JOSEPH PULITZER FUND FOR SCHOOL OF JOURNALISM:
Gift of $1,000,000 from Joseph Pulitzer to establish and endow a School of Journalism in Columbia University. 1903

R. S. CARPENTIER FUND:
Gift of $100,000 from General H. W. Carpentier towards a professorship in the Medical School, in memory of Reuben S. Carpentier. 1904

CORNELIUS HEENEY GOTTSBERGER SCHOLARSHIP FUND:
Bequest of Ellen Josephine Banker of $9500 to establish a scholarship in memory of her deceased brother, Cornelius Heeney Gottsberger. 1904

PHILOLEXIAN PRIZE FUND:
Fund of $1326.80 from the Philolexian Society, the income to be paid to the Society for prizes. 1904

TOPPAN PRIZE FUND:
Gift of $4000 from Mrs. Sarah M. Toppan to endow, in memory of her late husband, Robert Noxon Toppan, a prize in the School of Law. 1904

ERNEST KEMPTON ADAMS FUND FOR PHYSICAL RESEARCH:
Gift of $50,000 from Edward D. Adams, in memory of his son, the late Ernest Kempton Adams, E.E., 1897; A.M., 1898. 1904

GARTH MEMORIAL FUND:
Gift of $16,250 from Horace E. Garth to establish a fellowship in Political Economy in memory of his son, the late Granville W. Garth. 1904

GUY B. MILLER FUND:
Bequest of the late Guy B. Miller of $10,000, of the Class of 1898, College of Physicians and Surgeons, for general purposes of the Medical School. 1904

SCHIFF PROFESSORSHIP FUND:
Gift of $100,000 from Jacob H. Schiff for the endowment of a Professorship of Social Economy in order to make possible a close affiliation between Columbia University and the New York School of Philanthropy. 1905

THEODORE ROOSEVELT PROFESSORSHIP FUND:

Gift of James Speyer of $50,000 for the endowment of a professorship of American History and Institutions in the University of Berlin. 1905

MATHEMATICAL PRIZE FUND:

Gift of Mrs. Louis T. Hoyt of $5000, in memory of her nephew, John Dash van Buren, Jr. 1906

E. B. CONVERS PRIZE FUND:

Gift of Miss Alice and Miss Clara B. Convers of $1000, in memory of their brother, Ebenezer Buckingham Convers, LL.B., 1866, to endow a prize in the Law School. 1906

E. R. CARPENTIER FUND:

Gift of Mrs. Maria H. Williamson of $150,000 for the endowment of a professorship or an endowed lectureship on the Origin and Growth of Civilizations among Men. 1906

BLUMENTHAL FUND:

Gift of George Blumenthal of $100,075 for the endowment of a Chair of Politics. 1906

HENRY BERGH FUND:

Anonymous gift of $100,000, the income to be used for the inculcating of a spirit of kindness, and consideration toward the lower animals. 1907

ACADEMIC CALENDAR

1907—Sept. 25—Wednesday, First half-year, 154th year, begins. Registration ceases for students matriculating for the first time. Later applications received only upon payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.

Oct. 1—Tuesday, Last day of matriculation for students in the Faculties of Political Science, Philosophy and Pure Science.

Oct. 15—Tuesday, Stated meeting of University Council.

Nov. 5—Tuesday, Election Day, holiday.

Nov. 28—Thursday, to Nov. 30, Saturday, inclusive, Thanksgiving holidays.

Dec. 17—Tuesday, Stated meeting of University Council.

Dec. 21—Saturday, to

1908—Jan. 4—Saturday, inclusive. Christmas holidays.

Jan. 20—Monday, Mid-year entrance examinations begin.

Jan. 22—Wednesday, Mid-year examinations begin.

Feb. 1—Saturday, First half-year ends.

Feb. 3—Monday, Second half-year begins. Registration ceases for students entering the second half-year. Later applications received only upon payment of an additional fee of $5. Fellows and Scholars to report to the Registrar.

Feb. 18—Tuesday, Stated meeting of University Council.

Feb. 22—Saturday, Washington's Birthday, holiday.

Mar. 2—Monday, Last day for filing applications for University Fellowships.

April 1—Wednesday, Last day for filing applications for examination for higher degrees in 1907–8, and for presenting dissertations for the degree of Doctor of Philosophy.

April 14—Tuesday, Stated meeting of University Council.

April 16—Thursday, to April 20, Monday, inclusive, Easter holidays for students in such schools as may be designated by the University Council

May 1—Friday, Last day for filing applications for University Scholarships and for presenting essays for the degree of Master of Arts.

May 11—Monday, Final examinations for candidates for graduation begin.
May 19—Tuesday, Stated meeting of University Council.
May 24—Sunday, Baccalaureate service.
May 25—Monday, Class Day.
May 26—Tuesday, Alumni Day.
May 27—Wednesday, Commencement Day (see p. 385).
May 28—Thursday, Final examinations begin.
May 30—Saturday, Memorial Day, holiday.
June 10—Wednesday, Second half-year ends.
June 15—Monday, Entrance examinations begin.
July 7—Tuesday, Ninth Summer Session opens.
Aug. 14—Friday, Ninth Summer Session closes.
Sept. 1—Tuesday, Last day for filing lists of elective courses in Columbia College and Barnard College.
Sept. 14—Monday, Entrance examinations, and examinations for deficient and debarred students begin.
Sept. 16—Wednesday, Registration begins.
Sept. 22—Tuesday, Registration ceases for students previously matriculated. Later applications received only upon payment of an additional fee of $5.
Sept. 23—Wednesday, First half-year, 155th year, begins. Registration ceases for students matriculating for the first time. Later applications received only upon payment of an additional fee of $5. Fellows and Scholars report to the Registrar.

NOTE.—In 1908 and thereafter Commencement Day will fall on the last Wednesday in May, final examinations for all students, except those in the graduating classes, beginning on the day following Commencement.

SUMMARY

OFFICERS

Professors	157		
Adjunct Professors	64		
Clinical Professors and Lecturers	13		
Instructors	85		
Demonstrators	12		
Tutors	39		
Curators	2		
Lecturers and other Special Officers of Instruction	32		
Assistants	71		
Clinical Assistants	75		
University Officers of Instruction			550
Other Instructors in Teachers College		56	
Other Instructors in College of Pharmacy		3	
		59	
			609
University Officers of Administration		17	
Other Officers of Administration, Teachers College and College of Pharmacy		8	
			25
Emeritus Officers			17
Total			651
Horace Mann School and Speyer School (*not included above*)			79

STUDENTS

Columbia College:			
Fourth-year class	111		
Third-year "	141		
Second-year "	167		
First-year "	132		
Non-matriculated	56		
		607	
The School of Law:			
Third-year class	59		
Second-year "	83		
First-year "	85		
Non-matriculated	20		
		247	
Carried forward		854	

Brought forward		854	
The School of MEDICINE:			
Fourth-year class	80		
Third-year "	76		
Second-year "	67		
First-year "	62		
Non-matriculated	13		
		298	
The Schools of APPLIED SCIENCE:			
Fourth-year class	61		
Third-year "	125		
Second-year "	191		
First-year "	186		
Non-matriculated	23		
		586	
FINE ARTS:			
Architecture	122		
Music	22		
		144	
The Graduate Faculties of POLITICAL SCIENCE, PHILOSOPHY, and PURE SCIENCE		897	
TOTAL			2779
BARNARD COLLEGE			420
TEACHERS COLLEGE			850
COLLEGE OF PHARMACY (Not included in Directory)			229
TOTAL			4278
Deduct Double Registration			*182*
NET TOTAL OF RESIDENT STUDENTS			4096
Summer Session Students, 1907	1392		
Deduct Double Registration	*336*		
		1056	
GRAND TOTAL OF RESIDENT STUDENTS			5152
Students in extension courses			3085

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DIRECTORY OF OFFICERS

B. =Barnard College.
East. =East Hall.
E. H. =Earl Hall.
E. =Engineering.
F. =Fayerweather.
Gym. =Gymnasium.
Hm. =Hamilton.
H. M. S. =Horace Mann School.
Hv. =Havemeyer.
L. =Library.
M. =School of Mines.
P. & S. =College of Physicians and Surgeons.
Phar. =College of Pharmacy.
S. =Schermerhorn.
S. M. H. =Sloane Maternity Hospital.
Sp. S. =Speyer School.
T. =Teachers College.
U. =University.
V. C. =Vanderbilt Clinic.
W. =West.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Abbe, R. Clin. Lect.		P. & S.	13 W. 50
Abbott, A. Tr.		H. M. S.	545 W. 148
Abbott, Julia W. Tutor		T.	1230 Amsterdam ave.
Abbott, N. Prof.	Tu. F. 3-4	305 L.	515 W. 124
Adler, F. Prof.			152 W. 77
Agger, E. E. Lect.	M. W. 9-10	403 W.	237 E. 104
Aldrich, J. Clin. Asst.		V. C.	164 W. 81
Allen, D. G. Asst.		P. & S.	131 E. 66
Anderson, Mary P. Tr.		H. M. S.	435 W. 123
Andrews, B. R. Sec. Depts. Dom. Econ.		T.	611 W. 135
Anthony, Kate S. Tr.		H. M. S.	2337 Broadway
Arendt, M. Instr.	Tu. 10-11; Th. 10-12	503 E.	65 Central Pk. W.
Arnold, M. L. Asst.		607 F.	Hartley Hall
Arnold, W. W. Tr.		H. M. S.	326 W. 85
Astle, C. J. Clin. Asst.		V. C.	149 W. 62
Atwood, C. E., M.D. Clin. Asst.		V. C.	14 E. 60
Ayer, J. C. Instr.		P. & S.	31 W. 36
Bacon, Georgia F. Tr.		H. M. S.	44 Irving Pl.
Bacon, G. Prof.		P. & S.	47 W. 54
Bagley, G. J. Sec. Gym.		Gym.	Rahway, N. J.
Bagster-Collins, E. W. Adj. Prof.	M. 11-11:30; W. 4-4:30	231 T.	Montrose, N. Y.
Bailey, F. R. Adj. Prof.		P. &. S.	1165 E. Jersey, Elizabeth, N. J.
Bailey, P. Adj. Prof.		P. & S.	52 W. 53
Baker, C. M. Tr.		H. M. S.	157 W. 105
Baker, F. T. Prof.	M. W. S. 9:30-10	323 T.	Park Hill, Yonkers, N. Y.
Baker, G. H. Emer. Lib.			294 Manhattan ave.
Baker, H. T. Sec. Earl Hall	M.-F. 9-12; 3-6 S. 9-12	E. H.	509 W. 140
Baker, Helen B. Tr.		H. M. S.	140 W. 87

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Baldwin, Elizabeth G. Lib. T. C.	Daily 11-12	317 T.	469 Main, E. Orange, N. J.
Ball, A. B. Emer. Prof.			42 W. 36
Ballard, C. W. Asst.		Phar.	115 W. 68
Bandelier, A. F. Lect.			
Banker, C. E. Asst.		P. & S.	148 W. 131
Bargy, H. Instr.	M. W. 2	305 W.	628 W. 139
Barnes, G. E. Clin. Asst.		V. C.	119 W. 43
Barnum, Edith C. Tr.		H. M. S.	151 W. 105
Barrows, Anna, Instr.		T.	349 W. 85
Barry, T. J. Clin. Asst.		V. C.	137 E. 49
Baruch, S. Prof.		P. & S.	Hotel Majestic
Bastedo, W. A. Instr. and Asst.		P. & S.	56 W. 58
Batchelder, Evelyn Tr.		H. M. S.	417 W. 118
Batchelder, Mildred I. Tr.		H. M. S.	417 W. 118
Bates, E. S. Tutor		608 Hm.	521 W. 135
Bayles, G. J. Lect.	Tu. F. 4	405 L.	Orange, N. J.
Beans, H. T. Tutor	Tu. 11-12	512 Hv.	419 W. 118
Beard, C. A. Adj. Prof.	M. W. 1:30-3	310 E.	430 W. 118
Bechert, A. O. Tutor	M. 3; Th. 1	113 B.	119 Jefferson, Bklyn.
Becker, F. C. Asst.	F. 10-11	419 L.	Livingston Hall
Becker, H. C. Clin. Asst.		V. C.	112 W. 104
Bement, Alon, Instr.		T.	
Benns, C. P. Instr.	M. 1-2	125 T.	416 W. 118
Benton, Eliza, Tutor		T.	510 W. 124
Berg, H. W. Instr.		P. & S.	923 Madison ave.
Berg, W. N. Tutor		P. & S.	73 W. 118
Berger, Jane, Asst. Sec.		T.	1213 Amsterdam ave.
Berkey, C. P. Instr.	Tu. Th. 9-11	302 S.	206 W. 140
Bigelow, M. A. Prof.	Tu. F. 10:30	301 T.	611 W. 111
Bigongiari, D. Lect.			
Bikle, C. E. Adj. Prof.	W. 1-2	H. M. S.	545 W. 148
Bingham, A. W. Dem.		P. & S.	266 W. 88
Black, A. Adj. Prof.	Tu. 11-12; Th. F. 10-11	408 E.	521 W. 150
Blake, J. A. Prof.		P. & S.	601 Madison ave.
Blancard, W. Asst.		P. & S.	137½ Warburton ave., Yonkers, N. Y.
Blanchard, J. Asst.	F. 11-12	607 F.	Livingston Hall
Blodgett, F. J. Clin. Asst.		V. C.	140 W. 72
Bloom, I. Asst.		Gym.	61 E. 3
Blow, Susan E. Lect.		T.	
Boag, E. T. Asst. Reg.	M.-F. 10-5; S. 10-4:30	P. & S.	3 Lenox ave., White Plains, N. Y.
Boas, F. Prof.	W. F. 10	405 S.	Grantwood, N. J.
Bogert, M. T. Prof.	M.-F. 2-4	408 Hv.	422 W. 154
Bond, S. F. Asst.			
Botsford, G. W. Adj. Prof.	M.W.F. 8:30-9	707 Hm.	
	M. 11-11:50	109 L.	28 Urban, Mt. Vernon, N. Y.
Bovaird, D. Tutor		P. & S.	126 W. 58
Boyesen, B. Asst.			
Boynton, W. H. Asst.		T.	503 W. 121
Bradley, W. L. Clin. Asst.		V. C.	55 W. 75

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Braun, A. Clin. Asst.		V. C.	847 E. 163
Braun, W. A. Instr.	M. 10; Th. 3	113 B.	50 Morningside ave. E.
Brewer, G. E. Prof.		P. & S.	61 W. 48
Brewster, W. T. Prof. and Act'g Dean, Barnard College	M.-F. 12:20-1	B.	628 W. 114
Briggs, Mrs. H. B. R. Asst.		T.	515 W. 138
Britton, N. L. Emer. Prof.			New York Botanical Garden, Bronx
Broadhurst, Jean, Instr.		T.	1230 Amsterdam ave.
Brooks, Anna P. Asst.		T.	503 W. 121
Brooks, F. E. Tr.		H. M. S.	600 W. 114
Brooks, Mrs. Marie K. Tr.		H. M. S.	600 W. 114
Brouner, W. B. Clin. Asst.		V. C.	45 W. 9
Brown, H. C. Tutor	W. 2-4; Tu. Th. 3-4	417 L.	141 Engle, Englewood, N. J.
Brown, W. Asst.	M. W. F. 11-12	512 S.	Hartley Hall
Brugman, A. F. Clin. Asst.		V. C.	220 W. 139
Budington, Ethel H. Sup. Lib.		L.	457 W. 123
Bull, W. T. Emer. Prof.			35 W. 35
Bumpus, H. C. Dir. Am. Mus. Nat'l Hist.			
Burdick, F. M. Prof.	Tu. Th. 12:20-1	303 L.	633 W. 115
Burgess, J. W. Prof. and Dean, Sch. Pol. Sci.	M.-Th. 3:30-5	404 L.	323 W. 57
Burr, W. H. Prof.		401 E.	151 W. 74
Burritt, B. B. Dir. in Sp. S.		Sp. S.	94 Lawrence
Burton-Opitz, R. Adj. Prof.		P. & S.	Palisade, N. J.
Bush, W. T. Lect.	Tu. 3-4; W. 4-5	420 L.	167 Joralemon, Bklyn.
Butler, Eliza R. Tr.		H. M. S.	536 W. 114
Butler, N. M. Prest.	M. Tu. Th. F. 10:30-12	213 L.	119 E. 30
Cady, C. B. Lect.		T.	
Calhoun, Margaret, Asst.		T.	
Calhoun, Mary E. Tr.		H. M. S.	502 W. 113
Calkins, G. N. Prof.		604 S.	
Campbell, W. Adj. Prof.	M. W. 10-12	502 M.	Livingston Hall
Canfield, G. F. Prof.	Tu. Th. 9-10; 11-12	302 L.	346 W. 72
Canfield, J. H. Lib.	M.-F. 9:30-12	201 L.	244 W. 73
Carpenter, G. R. Prof.	Tu. Th. 10-11	610 Hm.	
	Tu. Th. 4	508 F.	207 W. 56
Carpenter, W. H. Prof.	Tu. Th. 3-4	316 U.	253 W. 100
Carr, M. L. Clin. Asst.		V. C.	353 W. 57
Carter, Mrs. A. E. Tr.		Sp. S.	449 W. 123
Cartwright, O. G. Tr.		H. M. S.	Hartley Hall
Cash, S. L. Clin. Asst.		V. C.	52 E. 31
Cattell, J. McK. Prof.		412 S.	Garrison, N. Y.
Chaddock, R. E. Lect.	M. W. 3:10-4	403 W.	Livingston Hall
Chambers, P. F. Clin. Prof.		P. & S.	49 W. 57
Chambers, V. J. Instr.	M.-F. 1-2	405 Hv.	527 W. 124
Chandler, C. F. Prof.	M. W. F. 12:20-4 Tu. Th. 10-5	303 Hv.	51 E. 54
Chappell, W. F. Clin. Prof.		P. & S.	7 E. 55

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Chesbrough, Mary D. Tr.		H. M. S.	500 W. 121
Church, E. C. Asst.	W. 4	402 E.	4 E. 130
Clark, J. B. Prof.	M. W. 1:30-2	204 W.	616 W. 113
Clark, J. E. Clin. Asst.		V. C.	33 McKeel ave., Tarrytown, N. Y.
Clark, L. P. Clin. Asst.		V. C.	23 W. 58
Clarke, Sir C. Purdon, Dir. Met. Mus. of Art.			
Clarke, W. C. Instr.		P. & S.	200 W. 56
Cleasby, Elizabeth, Tr.		H. M. S.	
Cleghorn, C. D. Clin. Asst.		V. C.	312 W. 93
Coblentz, V. Prof.		Phar.	115 W. 68
Coffin, Margaret, Asst.		T.	515 W. 111
Cohn, A. Prof.	M. W. 10-11	309 W.	2018 Fifth ave.
Cole, F. N. Prof.	W. 2-3	406 E.	
Cole, P. R. Lect.		T.	Livingston Hall
Coley, W. B. Clin. Lect.		P. & S.	5 Park ave.
Coll, A. P. Clin. Asst.		V. C.	153 Lexington ave.
Collins, H. D. Instr.		P. & S.	50 W. 55
Colwell, Rachel H. Asst.		T.	415 W. 118
Cook, E. Clin. Asst.		V. C.	135 E. 37
Cooley, Anna M. Instr.		T.	202 W. 79
Cooley, W. F. Asst.	M.-F. 11-12	419 L.	515 W. 134
Cowan, J. A. Clin. Asst.		V. C.	438 W. 44
Cox, R. Asst. Instr.		P. & S.	47 W. 44
Cragin, E. B. Prof.		P. & S.	10 W. 50
Crampton, H. E. Prof.	M. 1-2	413 B.	201 W. 122
Crane, W. R. Instr.	M. W. F. 10-11	408 M.	512 W. 124
Crawford, Caroline, Instr.		T.	303 W. 78
Crocker, F. B. Prof.	Tu. Th. 11-12	503 E.	14 W. 45
Cunningham, R. H. Instr.		P. & S.	238 W. 55
Curtis, C. C. Instr.	Tu.Th. 10-11:30; 2:30	502-3 S.	
Curtis, E. Emer. Prof.			33 W. 69
Curtis, J. G. Prof.		P. & S.	327 W. 58
Curtis, Mary W. Asst.		T.	
Cushing, H. A. Prof.	M. W. F. 10-11	305 L.	37 Madison ave.
Cussler, E. Asst.		P. & S.	203 W. 54
Dade, C. T. Clin. Asst.		V. C.	25 W. 50
Daniell, Lucetta, Dir. T. C.	M. Tu. W. 2-3; Th. F. 10-12	108 T.	1230 Amsterdam ave.
Danielson, C. S. Bursar	M.-F. 9:30-3:30; S. 9:30-12	205 E.	224 W. 121
Darling, C. A. Asst.	M.-F. 9-12	504 S.	475 Manhattan ave.
Darrach, W. Dem. and Instr.		P. & S.	107 W. 55
Davidson, H. S. Lect.	Tu. Th. 10-11	310 U.	125 W. 128
Davis, B. Instr.	M. 1-5; Th. 1-4	210 F.	509 W. 124
Davis, F. Clin. Asst.		V. C.	58 W. 47
Davis, Martha G. Tr.		H. M. S.	414 W. 118
Dawkins, S. M. Dir. in Sp. S.		Sp. S.	94 Lawrence
Day, Olive S. Tr.		H. M. S.	
Day, W. S. Lect.	Tu. Th. 11-12	408 F.	220 Hobart ave., Summit, N. J.
Dean, B. Prof.	Absent on leave		

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Dederer, Pauline H. Tutor	Tu. 12	420 B.	560 W. 113
De Klyn, C. C. Clin. Asst.		V. C.	216 W. 102
Delafield, F. Emer. Prof.			5 W. 50
Delano, W. A. Assoc. Dir. of Atelier	M. Th. 2-5		143 E. 39
Devine, E. T. Prof.	Tu. Th. 5	415 L.	501 W. 113
Dewey, J. Prof.	Tu. Th. 9:50-10:30	416 L.	1700 Broadway
Dickey, F. A. Sec. Com. on Employment for Students	M.-F. 9-5; S. 9-12	213 L.	503 W. 124
Dickson, Lucy, Tr.		H. M. S.	499 W. 135
Diekman, G. C. Prof.		Phar.	115 W. 68
Dielman, F. Prest. Nat'l Acad. of Design			51 W. 10
Ditman, N. E. Instr.		P. & S.	839 Madison ave.
Dixon, G. S. Instr.		P. & S.	123 E. 74
Dodge, R. E. Prof.	W. Th. F. 9-10	203 T.	Washington, Conn.
Dorr, G. H. Lect.	S. 8:30-9	415 L.	308 W. 97
Dounce, J. W. Clin. Asst.		V. C.	320 Central Pk. W.
Dow, A. W. Prof.	W. 3-4	431 T.	501 W. 120
Dow, E. L. Tutor		P. & S.	49 W. 57
Dowd, C. N. Instr.		P. & S.	135 W. 73
Downs, E. S. Tutor	Tu. 11-12. Th. 12:20	508 E.	417 W. 120
Draper, W. K. Adj. Prof.		P. & S.	121 E. 36
Dunning, W. A. Prof.	M. W. 3-3:30 F. 12:20	710 Hm. 403 L.	256 W. 57
Dutton, S. T. Prof.	M.-F. 12-1; M. W. F. 3-4	H. M. S.	619 W. 114
Earhart, Lida B. Instr.		T.	430 W. 118
Eastman, M. F. Asst.	M. W. F. 9-11	417 L.	
Egbert, J. C. Prof.	M. W. F. 11-12	109 L.	425 W. 146
Eichhorn, H. Clin. Asst.		V. C.	67 Seventh
Ellard, C. H. Tutor	Tu. 11	512 Hv.	Great Neck, L. I.
Elliott, A. R. Emer. Prof.		Phar.	21st st. and Ave. A.
Emerson, H. Dem. and Asst.		P. & S.	120 E. 62
Epstein, S. Clin. Asst.		V. C.	591 Lexington ave.
Erb, F. C. Sup. Lib.		L.	520 W. 123
Erb, F. W. Sup. Lib.		L.	520 W. 123
Evans, E. M. Tutor		P. & S.	38 W. 48
Fackenthal, F. D. Chief Clerk	M.-F. 9-5; S. 9-12	213 L.	930 St. Mark's ave., Bklyn.
Falk, K. G. Tutor	Tu. W. 1-5	210 F.	1070 Madison ave.
Falk, M. S. Lect.		401 E.	44 W. 53
Farnsworth, C. H. Adj. Prof.	Absent on leave		
Farrand, L. Prof.	M. W. 4	513 S.	Bartow-on-Sound, N. Y.
Farwell, H. W. Asst.	F. S. 1-5	210 F.	509 W. 124
Ferguson, H. B. Asst. Sec. Coll. of Phar.	M.-F. 9-5; S. 9-12	Phar.	137 W. 69

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Fischer, C. S. Asst.		P. & S.	144 E. 38
Fiske, T. S. Prof.	Absent on leave		
Fitz-Gerald, J. D., II, Instr.	M. W. 1-2	306 W.	
Fletcher, J. B. Prof.	Tu. Th. 1:30	511 F.	112 E. 22
Flint, C. P. Instr.		P. & S.	107 W. 55
Floyd, R. Lect. and Asst.		P. & S.	129 E. 60
Foote, E. M. Instr.		P. & S.	136 W. 48
Foote, F. S., Jr. Asst.	Tu. Th. S. 9-10	407 E.	429 W. 117
Forbes, C. Curator	M.-F. 10-5	308 F.	164 St. Nicholas ave.
Foster, N. B. Instr. and Asst.		P. & S.	69 E. 54
Fotheringham, Elizabeth R. Tr.		H. M. S.	1 Gramercy Pk.
Fowler, S. W. Clin. Asst.		V. C.	155 W. 48
Fox, G. H. Clin. Asst.		V. C.	616 Madison ave.
Freese, Mrs. Cécile, Tr.		H. M. S.	353 W. 17
French, A. T. Tr.		H. M. S.	Hartley Hall
Frink, C. A. Asst.		P. & S.	457 W. 144
Frissell, L. F. Instr.		P. & S.	113 E. 56
Frothingham, R. Instr.		P. & S.	616 Madison ave.
Fullerton, G. S. Prof.	Absent on leave		
Fulmer, Grace, Instr.		T.	503 W. 121
Furst, C., Sec. Teachers College	M. W. F. 3-5; Tu.Th. S. 10-12	106 T.	Lowerre Summit, Yonkers, N. Y.
Gallaudet, B. B. Adj. Prof. and Clin. Lect. and Instr.		P. & S.	115 E. 16
Gardner, H. R. Tr.		H. M. S.	
Garton, Harriet, Tr.		H. M. S.	515 W. 111
Geer, Mrs. Cora M. Sec. to Prin. H. M. Elem. Sch.		H. M. S.	5681 Broadway, Kingsbridge
George, Theodora, Registrar Teachers College	M.-F. 10-12; 2-4; S. 10-12	104 T.	523 W. 123
Gerig, J. L. Lect.	M.W.F. 12:20-1	B.	
Getman, F. H. Lect.	M. 11-12	205 F.	Stamford, Conn.
Gibney, V. P. Prof.		P. & S.	16 Park ave.
Giddings, F. H. Prof.	M. 3:30; F. 1:30	408 L.	150 W. 79
Gies, W. J. Prof.		P. & S.	437 W. 59
Gildersleeve, Virginia C. Tutor	Absent on leave		
Gill, J. G. Tutor	W. F. 3-4	305 Hm.	521 W. 122
Gill, Laura D. Dean of Barnard College	Absent on leave		
Gillette, C. Asst.		P. & S.	4 E. 41
Gillmore, Mary B. Tr.		H. M. S.	415 W. 118
Glanton, Louise P. Tr.		Sp. S.	94 Lawrence
Goetze, F. A. Dean Sch. App. Sci. and Consulting Engineer	M. W. F. 2-5	405 E.	411 W. 117
Gohdes, W. H. Tr.		H. M. S.	Hartley Hall
Gold, J. D. Clin. Asst.		V. C.	
Goldthwait, Cora, Tr.		H. M. S.	506 W. 113
Goodfriend, N. Clin. Asst.		V. C.	243 E. 72
Goodhardt, S. P. Clin. Asst.		V. C.	123 E. 60
Goodnow, F. J. Prof.	Absent on leave		
Goodridge, F. G. Clin. Asst.		V. C.	332 Lexington ave.
Goodridge, M. Asst.		P. & S.	412 West End ave.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Goodsell, Willystine, Instr.		T.	431 W. 121
Gorren, D. Asst.	M.-F. 2-4	509 E.	429 W. 117
Gottheil, R. J. H. Prof.	Tu. F. 3	309 U.	63 W. 85
Grabau, A. W. Prof.	Tu. Th. 11-12	101 S.	519 W. 152
Greenway, J. C. Asst.		P. & S.	667 Madison ave.
Gregory, W. K. Lect			2313 Loring Pl.
Greiff, V. R. Asst.	Daily 1-5	201 E.	166 W. 79
Grout, G. H. Clin. Asst.		V. C.	181 W. 75
Guernsey, R. Tutor	M. W. 3-3:30	508 Hm.	519 W. 121
Haas, S. V. Asst.		P. & S.	666 West End ave.
Haeffen, Fanny J. Tr.		H. M. S.	417 W. 120
Hale, H. E. Dem.		P. & S.	752 West End ave.
Hall, E. J. Instr.	Daily 9-10	206 Hv.	520 W. 122
Hallock, W. Prof. and Dean Sch. Pure Sci.	M. W. F. 11:30	406 F.	
	M. W. F. 12	304 E.	3609 Broadway
Hamlin, A. D. F. Prof.	M. F. 10-11; Tu. Th. 2-3	607 Hv.	105 Morningside ave. E.
Hanckel, Mary B. Instr.		T.	541 W. 123
Harcourt, Nellie, Tr.		Sp. S.	94 Lawrence
Harpham, Flora E. Computor		602 F.	317 W. 119
Harriman, C. A. Instr.		605 Hv.	
Harrington, T. H. Tutor	Tu. Th. 10-11	604 E.	Doris st., Bronx
Hart, T. S. Instr.		P. & S.	130 W. 59
Hartley, F. Prof. and Instr.		P. & S.	61 W. 49
Hartwell, G. W. Lect.	Tu. Th. 9-11	309 Hm.	Livingston Hall
Haskell, Alice, Asst.	Th. 11-12	136 B.	607 W. 116
Hastings, T. Dir. of Atelier			28 E. 41
Hauch, E. F. Tr.		H. M. S.	Livingston Hall
Haviland, C. F. Clin. Asst.		V. C.	Manhattan State Hospital, Ward's Island
Hawkes, F. Instr.		P. & S.	42 E. 26
Hawley, Harriet, Sec. to Dean, Teachers College		T.	1230 Amsterdam ave.
Hayden, J. R. Prof.		P. & S.	121 W. 55
Hayes, C. H. Lect.	M. W. 2:15	714 Hm.	Hartley Hall
Hayt, E. K. Asst. Bursar	M.-F. 10-1; 2-5; S. 10-1	P. & S.	104 W. 128
Hazen, T. E. Instr.	W. 9	320 B.	Livingston Hall
Healy, W. P. Instr.		P. & S.	221 W. 57
Hedges, Anna B. Asst.		T.	402 W. 124
Herrman, C. Clin. Asst.		V. C.	250 W. 88
Herter, C. A. Prof.		P. & S.	819 Madison ave.
Hervey, W. A. Adj. Prof.	M. W. F. 2; Tu. Th. 10	407 Hm.	607 W. 138
Heuser, F. W. J. Tutor	M. 11; Th. 10	403 Hm.	239 S. Fifth ave., Mt. Vernon, N. Y.
Higgins, E. Asst.	M.-F. 1-2	409 Hv.	Livingston Hall
Hill, Patty S. Instr.		T.	515 W. 122
Hirst, Gertrude M. Instr.	W. 10	212 B.	504 W. 122
Hirth, F. Prof.	Th. 11	305 U.	501 W. 113
Hiss, P. H., Jr. Prof.		P. & S.	200 Columbia Heights, Bklyn.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Hodenpyl, E. Adj. Prof.		P. & S.	37 E. 63
Hodge, Rev. R. M. Lect.		T.	552 W. 113
Hodgson, J. H. P. Clin. Asst.		V. C.	29 Washington Sq.
Hoffman, A. Asst.		405 Hv.	217 Hewes, Bklyn.
Holcomb, H. V. Asst.		P. & S.	147 E. 38
Holden, W. A. Instr.		P. & S.	43 W. 48
Hollingsworth, H. L. Asst.	M.-F. 1-2	511 S.	520 W. 123
Holm, G. T. Asst.		Gym.	Glenwood ave., Edgewater, N. J.
Holt, L. E. Prof.		P. & S.	14 W. 55
Hotchkiss, Caroline W. Tr.		H. M. S.	502 W. 113
Hotchkiss, L. W. Clin. Lect. and Instr.		P. & S.	59 W. 48
Howe, H. M. Prof.	F. 3-4	512 M.	27 W. 73
Howland, J. Instr.		P. & S.	49 E. 53
Hubbard, Grace A. Adj. Prof.	Th. 12:20-1	209 B.	618 W. 114
Hubbard, S. D. Clin. Asst.		V. C.	143 W. 103
Huber, F. Prof.		P. & S.	209 E. 17
Humphries, H. R. Clin. Asst.		V. C.	219 Alexander ave.
Hunt, E. L. Instr.		P. & S.	54 W. 50
Huntington, G. S. Prof.		P. & S.	Scarsdale, N. Y.
Hurd, Florence L. Sec. Manual Tr. Dept. T. C.		T.	417 W. 118
Hutchinson, Mary E. Prin. Tr. Sch. Sloane Maternity Hosp'l		S. M. H.	457 W. 59
Huttmann, Maude A. Lect.	Tu. 3-4; Th. 4-5	340 B.	70 Morningside W.
Hutton, F. R. Emer. Prof.			
Hyde, Mary B. Instr.		T.	416 W. 118
Inglis, A. J. Tr.		H. M. S.	Hartley Hall
Irving, P. Asst.		P. & S.	221 W. 57
Isaacs, C. A. Asst.	M.-F. 9-12	505 F.	Livingston Hall
Jackson, A. V. W. Prof.	W. 3	306 U.	10 Highland Pl., Yonkers, N. Y.
Jackson, F. W. Prof.		P. & S.	555 Madison ave.
Jackson, G. T. Instr.		P. & S.	15 E. 29
Jackson, J. A. Clin. Asst.		V. C.	344 W. 85
Jacobi, A. Emer. Prof.			19 E. 47
Jacoby, H. Prof.	M. W. 10-11	610 F.	333 W. 76
Jaeger, C. H. Instr.		P. & S.	24 W. 59
James, Clara C. Tr.		Sp. S.	509 W. 112
James, W. B. Prof.		P. & S.	17 W. 54
James, W. Non-resident Lect.			Cambridge, Mass.
Jessup, D. S. D. Asst. and Univ. Medical Visitor	Daily 5-6		301 W. 108
Jewell, Isabella E. Asst.		T.	431 W. 121
Johnson, Elizabeth, Tr.		Sp. S.	94 Lawrence
Johnson, H. Prof.	W. F. 10:45-11:30	320 T.	620 W. 116
Jordan, D. Adj. Prof.	Tu. Th. 10	311 Hm.	419 W. 115
Joüet, C. H. Tutor	Tu. W. 10-12	505 Hv.	
Julien, A. A. Curator	M.-F. 10-12	303 S.	505 W. 124

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Kaliski, D. Clin. Asst.		V. C.	103 E. 103
Kane, R. A. Tr.		H. M. S.	422 W. 115
Kasner, E. Adj. Prof.	Tu. Th. 10-11	309 B.	22 W. 119
Kassell, L. Asst.		P. & S.	Hotel Majestic
Keator, H. M. Dem.		P. & S.	107 E. 70
Keller, Eleanor, Tutor		435 B.	417 W. 114
Kemp, J. F. Prof.	Tu. Th. 1:30-2:30	403 S.	211 W. 139
Kent, J. M. Asst.		P. & S.	The Amidon, B'way and 83
Kenyon, J. H. Asst. Instr.		P. & S.	37 W. 71
Keppel, F. P. Sec.	M.-F. 10-12; 2-4; S. 10-12	213 L.	142 E. 18
Kern, E. F. Tutor	M. Tu. Th. F. 2-5	404 M.	Livingston Hall
Keyes, Maud V. Tr.		H. M. S.	499 W. 135
Keyser, C. J. Prof.	M. W. F. 9:30	506 Hm.	74 W. 103
Kinne, Helen, Prof.	Tu. Th. 2-3; F. 11-12	T.	8 Morningside ave. E.
Kinnicutt, F. P. Prof.		P. & S.	39 E. 35
Kirchwey, Clara B. Instr.		T.	908 St. Nicholas ave.
Kirchwey, G. W. Prof. and Dean Sch. of Law	M. W. F. 11:30-12:30	206 L.	908 St. Nicholas ave.
Kirchwey, Mary F. Tr.		H. M. S.	908 St. Nicholas ave.
Kirk, E. Asst.	W. F. 1-2	101 S.	528 W. 123
Knapp, A. H. Prof.		P. & S.	26 W. 40
Knapp, C. Prof.	M. W. Th. F. 10	114 B.	1737 Sedgwick ave.
Knapp, C. B. Prof.		Phar.	60 W. 76
Knapp, H. Emer. Prof.			26 W. 40
Krapp, G. P. Adj. Prof.	M. W. 11-12; F. 2-3	507 F.	157 W. 105
Krathwohl, W. C. Tutor	M. W. F. 11-12	309 B.	522 W. 123
Kress, M. K. Adj. Prof.	M.-F. 2-4:30	610 Hv.	272 W. 107
Kress, O. Tutor		303 Hv.	438 W. 116
Kunze, E. J. Tutor	Tu. Th. S. 2-4	506 E.	Livingston Hall
Kurtz, E. L. Instr.	M. W. F. 10-11	403 M.	Livingston Hall
La Fetra, L. E. Instr.		P. & S.	58 W. 58
Lambert, A. Van S. Instr.		P. & S.	29 W. 36
Lambert, S. W. Prof. and Dean Sch. of Medicine	M. Tu. Th. F. S. 11	P. & S.	130 E. 35
Lamme, M. A. Tutor	M.-F. 3-4	106 S.	St. Francis Court, 135 and Riverside Dr.
Langford, Grace, Asst.		B.	91 Columbia Heights, Bklyn.
Langzettel, Mrs. Marion B. B. Lect.		T.	414 W. 118
Larkin, J. H. Adj. Prof.		P. & S.	601 W. 135
Latham, Azubah J. Lect.		T.	503 W. 121
Latham, Helen, Instr.		T.	503 W. 121
Latham, Marion E. Tutor	M. 10-12	B.	417 W. 148
Laufer, B. Lect.	Th. 11-12	305 U.	215 W. 108
Lawrence, W. W. Adj. Prof.	W. F. 3-4	507 F.	157 W. 105
Lawson, C. F. Asst.			

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Leaming, E. Instr.		P. & S.	437 W. 59
Lee, F. S. Prof.		P. & S.	125 E. 65
Lefferts, G. M. Emer. Prof.			212 Madison ave.
Leggett, N. B. Clin. Asst.		V. C.	103 W. 78
Lemon, Margaret A. Tr.		Sp. S.	1230 Amsterdam ave.
Leonhard, K. G. R. Prof.	Tu. W. F. 11-12	407 L.	Hotel Majestic
Leshure, J. Clin. Asst.		V. C.	423 Convent ave.
Leslie, F. A. Asst.		Phar.	115 W. 68
Levy, D. H. Clin. Asst.		V. C.	134 W. 104
Lewis, Mary H. Tr.		H. M. S.	
Lewis, R., Jr. Instr.		P. & S.	48 W. 40
Liggett, Mrs. N. W. Bursar, Barnard College	M.-F. 10-4; S. 10-12	B.	
Lindsay, S. M. Prof.	Tu. Th. 4-5	203 W.	Englewood, N. J.
Ling, G. H. Instr.	M. W. 10-11	211 Hm.	510 W. 124
Lockwood, G. R. Adj. Prof.		P. & S.	18 E. 52
Lodge, G. Prof.	M. W. 3:30-4:30	228 T.	604 W. 112
Loiseaux, L. A. Adj. Prof.	M. W. F. 10; 12-1	310 Hm.	507 W. 124
Lord, H. G. Prof.	M. W. F. 10-11	615 Hm.	623 W. 113
Lovejoy, A. O. Lect.	M. Tu. W. F. 10-10:30	420 L.	Livingston Hall
Lovell, E. B. Prof.	Tu. 11-12; Th. 8:30-10	409 E.	235 W. 102
Lucke, C. E. Adj. Prof.	Daily 1-2	304 E.	544 W. 142
Luquer, L. McI. Adj. Prof.	Tu. W. 2	306 S.	321 W. 80
McBurney, C. Emer. Prof.			38 E. 31
McCastline, W. H. Asst. Dir. Phys. Educ.		T.	
McConnell, R. H. Asst.		P. & S.	42 W. 97
McCosh, A. J. Prof.		P. & S.	16 E. 54
McCrea, N. G. Prof.	M. W. 10-10:30	510 Hm.	417 W. 118
McCurdy, Della, Tr.		H. M. S.	419 W. 121
McDonald, E. Clin. Asst.		V. C.	13 W. 86
McEntee, E. J. Clin. Asst.		V. C.	93 Lee ave., Bklyn.
McFarland, G. H., Jr. Instr.		S. M. H.	447 W. 59
McGregor, J. H. Adj. Prof.	M. W. 11-12	610 S.	Livingston Hall
McKim, C. F. Dir. of Atelier			160 Fifth ave.
McLane, J. W. Emer. Prof.			51 W. 38
McMahon, Kate, Instr.		T.	1230 Amsterdam ave.
McMurry, F. M. Prof.	Absent on leave		
McWhood, L. B. Adj. Prof.	W. 3	606 M.	511 W. 112
McWilliams, C. A. Instr.		P. & S.	112 W. 55
MacAlarney, Emma L. Tr.		H. M. S.	430 W. 118
Macgregor, J. S. Asst.		308 E.	
Maclay, J. Prof.	M. W. 1:30-2	209 Hm.	Pleasantville, N. Y.
MacNary, E. E. Tr.		H. M. S.	107 Morningside ave.
Macumber, J. L. Clin. Asst.		V. C.	249 Washington ave., Bklyn.
MacVannel, J. A. Prof.	S. 10-12	112 T.	411 W. 115
Main, T. F. Sec. Coll. of Pharmacy	M.-F. 9-12:30; 1:30-5 S. 9-12	Phar.	Montclair, N. J.
Maltby, Margaret E. Adj. Prof.	W. 11-12	240 B.	3609 Broadway

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Mansfield, W. Act'g Prof.		Phar.	115 W. 68
March, Maud, Instr.		T.	82 Morningside ave.
Markham, C. B. Asst.			
Marple, C. F. Instr.		T.	350 W. 120
Marshall, Florence M. Tr.		H. M. S.	430 W. 118
Martin, W. Instr.		P. & S.	25 W. 50
Mason, H. H. Asst.		P. & S.	9 W. 35
Mathews, F. S. Instr.		P. & S.	62 W. 50
Matthews, B. Prof.	Tu. Th. 3; S. 9:45	502 F.	681 West End ave.
Maury, J. W. D. Instr.		P. & S.	264 W. 57
Maxson, A. R. Tutor		212 Hm.	
May, W. R. Asst.		P. & S.	4 E. 41
Mayer, R. E. Adj. Prof.	M. W. 9-11	602 E.	520 W. 122
Meara, F. S. Tutor		P. & S.	400 West End ave.
Meeker, H. D. Clin. Asst.		V. C.	166 W. 72
Menut, Eugénie, Tr.		H. M. S.	560 Park ave.
Merrill, Valeria I. Lib. H. M. S.		H. M. S.	1230 Amsterdam ave.
Metzger, F. J. Instr.	Tu. Th. 11; F. 10	507 Hv.	527 W. 124
Meyer, Anna E. H. Sec. of Barnard College	M.-F. 10-12; 2-4; S. 10-12	B.	15 Cedar Pl., Yonkers, N. Y.
Meylan, G. L. Adj. Prof. and Med. Dir. Gym.	M. F. 2-4; Tu. W. Th. 3-4:30; S. 11-12	Gym.	468 W. 141
Michaelis, A. Clin. Asst.		V. C.	173 E. 95
Miller, A. M., Instr.		P. & S.	142 S. 10, Newark, N. J.
Miller, D. S. Prof.	W. 10-11	614 Hm.	
Miller, E. Clin. Asst.		V. C.	151 W. 95
Miller, Edyth, Sec. Educ. Museum, T. C.		T.	102 W. 93
Miller, Ethelwyn, Tr.		H. M. S.	519 W. 121
Miller, J. A. Instr.		P. & S.	550 Park ave.
Miller, S. O. Tutor	M.-F. 1-4	603 E.	West Nyack, N. Y.
Millis, J. F. Tr.		H. M. S.	557 W. 124
Mitchell, H. B. Adj. Prof.	Tu. Th. 10-11	304 Hm.	80 Washington Sq.
Mitchell, S. A. Instr.	M. W. 10-11	606 F.	317 W. 121
Monroe, P. Prof.	Absent on leave first half-year		
Montague, W. P. Adj. Prof.	W. 1:30-2	416 L.	
	W. 3:10-4	335 B.	347 W. 123
Moore, H. L. Prof.	M. W. 1	202 W.	501 W. 120
Moore, J. B. Prof.	M. W. F. 9-4	401 L.	267 W. 73
Morgan, J. L. R. Prof.	Daily 10-11	411 Hv.	
Morgan, T. H. Prof.		613 S.	
Morrill, C. V., Jr. Asst.		602 S.	430 W. 118
Morrison, C. E. Tutor	M. W. F. 9-12	401 E.	135 Hamilton Pl.
Morse, L. B. Asst.			524 W. 123
Moses, A. J. Prof.	M.-F. 4-5	307 S.	3611 Broadway
Muller, H. F. Tutor	Tu. Th. 11-12	114 B.	
Munroe, H. S. Prof.	W. F. 11	407 M.	501 W. 120

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Neish, A. C. Tutor	Daily 10-12	418 Hv.	203 W. 113
Neitz, J. D. Tr.		H. M. S.	
Nelson, C. A. Head Reference Librarian		L.	400 W. 153
Nelson, F. A. Lect.		603 Hv.	
Nichols, E. F. Prof.		408 F.	
Nisselson, M. Clin. Asst.		V. C.	21 E. 112
Norrie, Van H. Adj. Prof.		P. & S.	21 W. 37
Norris, H. L. Supt. of Buildings and Grounds	M.-F. 10-11	110 L.	Livingston Hall
Norsworthy, Naomi, Instr.		T.	557 W. 124
Nourse, Lilla A. Tr.		H. M. S.	541 W. 123
Noyes, W. H. Instr.		T.	618 W. 114
Nutting, Mary A. Prof.	Tu. Th. 2-3	553 T.	417 W. 118
Oastler, F. R. Clin. Lect. and Instr.		P. & S.	126 W. 59
Odell, G. C. D. Prof.	W. 3; F. 10:30	611 Hm.	44 W. 44
Oehler, J. Adj. Prof.		Phar.	Carlstadt, N. J.
Oertel, H. Dem.		P. & S.	30 W. 44
Offerhaus, C. Asst.	Tu. 2-4	508 M.	322 W. 115
Ogilvie, Ida H. Tutor	Tu. 11-12	214 B.	Hotel Ansonia
Olcott, G. N. Adj. Prof.	M. W. 12:20	109 L.	438 W. 116
Oldham, Rev. G. A. Act'g Chaplain	M-F. 12:15-12:45	Chapel	61 W. 55
O'Neil, Elizabeth B. Sec. Publication Bureau, T. C.		T.	526 W. 114
Opdyke, Agnes, Registrar of Barnard College	M.-F. 10-12; 2:30-4; S. 10-12	B.	420 W. 118
Ordronaux, J. Emer. Prof.			30 Broad
Osborn, H. F. Prof.	Tu.	608 S.	850 Madison ave.
Osburn, R. C. Instr.	Tu. Th.F. 10-12	409 B.	510 W. 124
Osgood, C. Clin. Asst.		V. C.	58 Central Park W.
Osgood, H. L. Prof.	Tu. Th. 4:30	320 U.	526 W. 150
Page, C. H. Adj. Prof.	M. W. 10	308 Hm.	235 W. 109
Painter, H. M. Prof.		P. & S.	62 W. 55
Palmer, Luella A. Tr.		Sp. S.	235 E. 18
Parker, H. C. Adj. Prof.	Tu. Th. 3-5	410 F.	21 Fort Greene Pl., Bklyn.
Parker, W. B. Lect.	M. 1.45	604 Hm.	2333 Broadway
Parr, H. L. Instr.	M.-S. 1-4; F. 11-12	207 E.	Yonkers, N. Y.
Patterson, H. S. Instr.		P. & S.	51 W. 58
Peabody, Mary G. Tr.		H. M. S.	416 W. 118
Pearson, H. C. Princ. H. M. Elem. Sch.	M. Tu. Th. 2-3; W. 8:45-10		501 W. 120
Peck, H. T. Prof.	W. 3:30-4:30 F. 11-12	301 E.	500 W. 121
Peele, R. Prof.	M. W. F. 10-11	405 M.	351 W. 114

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Pegram, G. B. Instr.	Absent on leave		
Pellew, C. E. Adj. Prof.	Tu. Th. 12:20-1	416 Hv.	37 Madison ave.
Perry, E. D. Prof. and Dean Sch. of Phil.	M. W. F. 3-4	306 E.	542 W. 114
Peterson, F. Prof.		P. & S.	4 W. 50
Pfister, J. C. Adj. Prof.	M. W. F. 12:20-1	614 F.	240 Sixth ave. (Roseville) Newark, N. J.
Pomeroy, C. H. Bursar of Teachers College		T.	162 W. 129
Pool, E. H. Instr.		P. & S.	128 E. 64
Poor, C. L. Prof.	Th. F. 10-11	608 F.	4 E. 48
Poore, C. T. Clin. Lect.		P. & S.	43 W. 53
Porterfield, A. W. Tutor	M. F. 2	336 B.	Hartley Hall
Potter, N. B. Instr.		P. & S.	9 W. 35
Powell, T. R. Lect.	M. W. Th. 9:30-11	L.	Hartley Hall
Pratt, Isabelle L. Sec. Appointment Com. T. C.		T.	221 W. 104
Pratt, Marion R. Exec. Sec. H. M. S.		H. M. S.	221 W. 104
Prentice, A. C. Asst.		P. & S.	155 W. 46
Prescott, H. B. Sup. Lib.		L.	34 Gramercy Pk.
Prettyman, A. I. Asst.		Gym.	556 W. 163
Prettyman, V. Prin. H. M. High School	M. W. Th. 9:30-11	H. M. S.	501 W. 120
Prince, J. D. Prof.	Tu. 1:30-2	308 U.	Sterlington, N. Y.
Proben, C. J. Instr.		P. & S.	970 Lexington ave.
Prout, T. P. Clin. Asst.		V. C.	152 W. 57
Prudden, T. M. Prof.		P. & S.	160 W. 59
Pupin, M. I. Prof.			
Putnam, C. R. L. Dem.		P. & S.	121 E. 38
Raabe, A. Clin. Asst.		V. C.	609 E. 156
Rautenstrauch, W. Adj. Prof.		507 E.	554 W. Broadway, Yonkers, N. Y.
Rea, Matilda G. Asst.		T.	2 W. 32
Reddick, H. W. Asst.	M.-F. 9-12	505 F.	Livingston Hall
Redfield, H. S. Prof.	M.-F. 10-11	414 L.	1925 Seventh ave.
Reed, A. F. Tr.		H. M. S.	
Reed, Margaret A. Tutor		B.	
Reid, D. B. Asst.		Gym.	346 W. 57
Reimer, Marie, Instr.	Tu. Th. 1-2	438 B.	420 W. 118
Remy, A. F. J. Adj. Prof.	M. W. 2	403 Hm.	222 W. 141
Reynolds, Grace P. Asst.	M. Tu. 10-11	436 B.	17 E. 26
Reynolds, W. S. Instr.		P. & S.	66 W. 71
Richard, E. D. Lect.	Tu. Th. 3-4	410 Hm.	12 W. 103
Richards, A. N. Instr.		P. & S.	311 W. 97
Richards, C. R. Prof.	M. 3-4:30; Th. 11-12	122 T.	239 W. 103
Richards, Mrs. E. H. Lect.		T.	1230 Amsterdam ave.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Richards, H. M. Prof.	M. F. 10-11	316 B.	618 W. 114
Riggs, A. F. Asst.		P. & S.	135 E. 54
Roantree, W. F. Tr.		H. M. S.	15 Wadsworth ave.
Robbins, Ida E. Tr.		H. M. S.	417 W. 118
Robbins, Mrs. L. W. Neighborhood Worker, Sp. S.		Sp. S.	94 Lawrence
Robinson, E. Asst. Dir. Met. Mus. of Art			
Robinson, J. H. Prof.	Tu.Th. 11-11:30	403 L.	567 W. 113
Rogers, Lillian E. Tr.		H. M. S.	508 W. 113
Rosenheck, C. Clin. Asst.		V. C.	240 W. 134
Rubner, C. Prof.	M.-F. 10-11	607 M.	515 W. 111
Rusby, H. H. Prof. and Dean Coll. of Phar.	Tu. 9:30; Th. F. 1:30	Phar.	776 De Graw ave. Newark, N. J.
Rusk, Elizabeth, Asst.		T.	
Russell, J. E. Prof. and Dean of Teachers College	M.-F. 11-12	103 T.	500 W. 121
Russell, J. I. Asst.		P. & S.	601 Madison ave.
Russell, Martha M. Supt. Sloane Maternity Hospital		S. M. H.	457 W. 59
Russell, Mabel C. Tr.		Sp. S.	94 Lawrence
Ryder, G. H. Instr.		P. & S.	34 W. 55
Sachs, J. Prof.	M. W. 3-4; S. 10-11	229 T.	149 W. 81
Sage, Elizabeth, Instr.		T.	2337 Broadway
Sanford, Laura, Sec. Dept. of Phys. Educ. T. C.		T.	430 W. 118
Saunders, T. L. Instr.		P. & S.	34 W. 55
Saville, M. H. Prof.		405 S.	
Sawyer, C. P. Press Representative	M.-F. 4-5	323 U.	323 W. 80
Sayre, A. M. Asst.	Tu. Th. 3	604 Hm.	158 W. 106
Schenck, Aletta V. W. Asst.		T.	611 W. 112
Schmitt, A. E. Asst. Instr.		P. & S.	123 E. 60
Schnepel, G. A. Clin. Asst.		V. C.	343 W. 29
Schulman, M. Clin. Asst.		V. C.	42 W. 114
Schulte, H. von W. Dem. and Asst.		P. & S.	176 W. 87
Schüssler, Amy, Prin. Sp. S.		Sp. S.	558 W. 182
Scripture, E. W. Clin. Asst.		V. C.	20 E. 45
Seager, H. R. Prof.	Tu. Th. 2:10-3	403 L.	
Sears, J. T. Tr.		H. M. S.	
Seely, Bertha W. Sec. to Prin. H. M. High Sch.		H. M. S.	1230 Amsterdam ave.
Seibert, Jeannette R. Recorder Dept. Phys. Educ. T. C.		T.	640 Putnam ave., Bklyn.
Seligman, E. R. A. Prof.	Tu. Th. 1:30-2; F. 2-3	409 L.	324 W. 86
Sever, G. F. Prof.		504 E.	620 W. 116

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Severinghaus, W. L. Asst.	Tu. 1-5:30	401 F.	524 W. 123
Shear, T. L. Tutor	Tu. 3-4	112 B.	509 W. 122
Shearer, L. H. Dem. and Asst.		P. & S.	133 E. 57
Shepherd, W. R. Adj. Prof.			468 Riverside Dr.
Sherman, F. D. Prof.	M. W. F. 1-5	613 Hv.	158 W. 105
Sherman, H. C. Prof.	Tu. Th. F. 9-10	509 Hv.	527 W. 124
Shoemaker, A. Asst.		Gym.	265 Henry
Shotwell, J. T. Adj. Prof.	Tu. 10-11	708 Hm.	
	Tu. 3-4	340 B.	160 W. 106
Shrady, A. M.		P. & S.	1 W. 68
Sicard, M. H. Clin. Asst.		V. C.	15 E. 47
Siceloff, L. P. Tutor	M. Tu. 1:30-2	212 Hm.	Livingston Hall
Silver, L. M. Clin. Asst.		V. C.	103 W. 72
Simkhovitch, V. G. Adj. Prof.	M.-F. 2-4	307 L.	26 Jones
Simkhovitch, Mrs. Mary K. Adj. Prof.	Tu. 4	308 B.	26 Jones
Simpson, W. K. Prof.		P. & S.	952 Lexington ave.
Sinclair, J. E. Asst.	M. Tu. F. 1-4	505 Hm.	62 Taylor, Newark, N. J.
Skarstrom, W. Instr.	M. W. F. S.	Gym.	510 W. 124
Sleffel, C. C. Instr.	M.-F. 12:40-2	32 T.	509 W. 124
Sloane, W. M. Prof.	W. 2-3	704 Hm.	105 E. 69
Smith, C. H. Asst.		P. & S.	2880 Broadway
Smith, D. E. Prof.	Absent on leave		
Smith, E. R. Ref. Lib.	M.-F. 2-6	L.	118 W. 109
Smith, Evelyn, Asst.		T.	195 Claremont ave.
Smith, F. C. Clin. Asst.		V. C.	362 W. 57
Smith, H. Prof.		P. & S.	44 W. 49
Smith, Munroe, Prof.		409 L.	152 E. 35
Snedden, D. S. Adj. Prof.	Daily 12-12:30	215 T.	63 Morningside ave. E.
Solley, F. P. Instr.		P. & S.	114 E. 60
Speranza, C. L. Prof.	M. 4; W. 5	304 W.	120 E. 86
Spiers, H. W. Tr.		H. M. S.	Hartley Hall
Spingarn, J. E. Adj. Prof.	M. W. 1:30-2	509 F.	9 W. 73
Sprague, S. E. Clin. Asst.		V. C.	71 W. 55
Starr, M. A. Prof.		P. & S.	5 W. 54
Stackpole, Caroline, Asst.		T.	605 W. 115
Steele, M. Asst.		P. & S.	Livingston Hall
Stein, J. B. Clin. Asst.		V. C.	101 W. 80
Stevens, Romiett, Asst.		T.	1230 Amsterdam ave.
Stewart, C. A. Asst.	Tu. F. 1-2	106 S.	259 W. 11
Stone, Theo. R. Tr.		H. M. S.	419 W. 121
Stoughton, B. Adj. Prof.	F. 2-4	512 M.	321 W. 94
Strayer, G. D. Adj. Prof.	M. Th. 10; W. 3	313 T.	530 W. 123
Strong, C. A. Prof.	Tu. Th. 12:20	510 S.	Hotel Gotham
Strong, Harriette L. Tr.		Sp. S.	430 W. 118
Strong, O. S. Instr.		P. & S.	Livingston Hall
Sturtevant, E. H. Tutor	Tu. 10-10:50	112 B.	490 W. 136
Sumner, A. E. Instr.		P. & S.	127 W. 58
Sutherland, Louise C. Instr.		T.	265 W. 72
Suzzallo, H. Adj. Prof.	M. W. F. 11	313 T.	Livingston Hall
Swift, G. M. Instr.		P. & S.	20 W. 55
Sykes, F. H. Prof. and Dir. Extension Teaching	Daily 11	117 T.	Lowerre Summit Pk., Yonkers, N. Y.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Tassin, A. DeV. Lect.	M. W. 12:20	139 B.	14 Lexington ave.
Taylor, A. S. Asst. Instr.		P. & S.	152 W. 57
Taylor, C. E. Asst.			
Taylor, H. C. Instr.		P. & S.	24 W. 50
Taylor, J. W. Asst.			
Tenney, A. A. Tutor	W. 2:10-3	206 W.	421 W. 118
Terry, C. T. Prof.	M. Tu. Th. F. 5:30-6:30	414 L.	23 E. 77
Thacher, J. S. Prof.		P. & S.	839 Madison ave.
Thatcher, E. J. Instr.		T.	
Thomas, C. Prof.	Tu. Th. 10-11	315 U.	430 W. 116
Thompson, Elizabeth I. Asst.	M. 10-11	313 B.	21 First Pl., Bklyn.
Thorndike, A. H. Prof.	Tu. Th. 11-12	506 F.	205 W. 107
Thorndike, E. L. Prof.	M. W. 2-3	321 T.	530 W. 123
Thurber, S. W. Instr.		P. & S.	104 E. 39
Thurston, E. D., Jr. Asst.	Daily 9-12	207 E.	113 E. 29
Todd, G. W. Clin. Asst.		V. C.	225 West End ave.
Todd, H. A. Prof.	M. W. 5	308 W.	824 West End ave.
Tombo, R., Jr. Adj. Prof. and Registrar	M.-F. 9-5; S. 9-12	202 E.	628 W. 114
Toms, Elizabeth I. Sec. H. M. S.		H. M. S.	44 W. 128
Trent, W. P. Prof.	Absent on leave		
Trowbridge, C. C. Instr.	M.-F. 1:10-5	401 F.	St. Anthony Hall, Riverside Dr. and 116
Tucker, S. A. Adj. Prof.		102 Hv.	155 E. 61
Tufts, F. L. Adj. Prof.	M. 11-12; W. F. 9-10	305 F.	541 W. 124
Turnure, P. R. Instr.		P. & S.	55 W. 49
Tyson, H. H. Instr.		P. & S.	47 W. 51
Ulig, W. C. Asst.	Tu. Th. 11-12	516 Hv.	242 Halsted, E. Orange, N. J.
Ullman, K. B. Tr.		H. M. S.	Hartley Hall
Underwood, L. M. Prof.	M. 10-12	506 S.	Redding, Conn.
Upton, C. B. Instr.		T.	504 W. 113
Upton, Mrs. Siegried M. Tr.		H. M. S.	504 W. 113
Valentine, Laura, Lib. and Sec. Sp. S.		Sp. S.	94 Lawrence
Van Amringe, J. H. Prof. and Dean, Columbia College	W. F. 1:15	208 Hm.	48 E. 26
Van Arsdale, May B. Instr.		T.	457 W. 123
Van Beuren, F. T. Dem. and Asst.		P. & S.	51 W. 52
Van Pelt, J. V. Assoc. Dir. of Atelier			126 E. 19
Van Wagenen, C. D. Clin. Asst.		V. C.	15 E. 48
Van Zandt, Margaret, Sup. Lib.		L.	415 W. 118
Vogel, K. M. Instr.		P. & S.	80 E. 55
Voorhees, J. D. Adj. Prof.		P. & S.	180 W. 59
Vorisek, A. Prof.		Phar.	115 W. 68
Vulté, H. T. Adj. Prof.	Tu.W.Th. 11-12	400 T.	33 Park ave., New Rochelle, N. Y.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Wadsworth, A. B. Instr.		P. & S.	180 W. 59
Walker, J. B. Clin. Lect. and Instr.		P. & S.	33 E. 33
Ward, F. E. Organist	M.-F. 11:45-12:30	Chapel	216 King, Port Chester, N. Y.
Ware, W. R. Emer. Prof.			Milton, Mass.
Warner, L. A. Instr.		T.	2 Home, White Plains, N. Y.
Warren, C. P. Instr.		602 Hv.	Woodcliff Lake, N. J.
Webster, C. E. Clin. Asst.		V. C.	749 Madison ave.
Weeks, Mabel F. Adj. Prof.	Tu. 11-12	136 B.	607 W. 116
Weick, C. W. Instr.	Tu. Th. 3-4	119 T.	507 W. 124
Weinrich, M. F. Asst.	M. 1:10-2	605 E.	76 Ashburton ave., Yonkers, N. Y.
Weinstein, J. W. Clin. Asst.		V. C.	61 E. 107
Weir, R. F. Emer. Prof.			11 E. 54
Weiser, Lucy H. Tr.		H. M. S.	430 W. 118
Welker, W. H. Asst.		P. & S.	148 W. 67
Wells, J. S. C. Adj. Prof.	Tu. Th. 11-12	513 Hv.	320 W. 83
Westcott, A. F. Lect.	Th. 11	607 Hm.	417 W. 121
Wetzel, R. A. Asst.	Tu. Th. 10-12	303 F.	54 Morningside ave. E.
Wheeler, Clara M. Tr.		H. M. S.	502 W. 113
Wheeler, E. B. Asst.			
Wheeler, J. R. Prof. and Act'g Dean Fac. Fine Arts			
Wheelock, Mrs. Elizabeth M. Tr.		H. M. S.	430 W. 118
Whitley, Mary T. Sect.		T.	541 W. 124
Whitman, R. Adj. Prof.		P. & S.	283 Lexington ave.
Whitney, D. D. Asst.		602 S.	520 W. 123
Whittemore, Laura B. Tr.		H. M. S.	8 Morningside ave. E.
Wilcox, H. B. Asst.		P. & S.	515 Madison ave.
Wilde, Harriet, Instr.		T.	476 W. 152
Wile, I. S. Clin. Asst.		V. C.	2493 Broadway
Williams, L. R. Instr.		P. & S.	839 Madison ave.
Williams, P. H. Clin. Asst.		V. C.	22 E. 48
Williams, R. H. Instr.		T.	527 W. 124
Williams, S. R. Tutor	Tu. 11-12	232 B.	509 W. 124
Williams, W. R. Instr.		P. & S.	Hotel San Remo
Wills, A. P. Adj. Prof.		603 F.	
Wilson, E. B. Prof.	M.-Th. 9-10	609 S.	468 Riverside Drive
Wimmer, C. P. Instr.		Phar.	115 W. 68
Windle, Anne E. Tr.		Sp. S.	94 Lawrence
Wineberger, W. Asst.		P. & S.	252 Willis ave.
Wissler, C. Lect.			
Wittson, A. J. Clin. Asst.		V. C.	318 W. 126
Wood, F. C. Prof.		P. & S.	201 W. 55
Wood, T. D. Prof.	M.-F. 9-10; 2-3	157 T.	500 W. 121
Woodbridge, F. J. E. Prof.	M. W. 2-3	420 L.	Grove st., Peekskill, N. Y.
Woodhull, J. F. Prof.	W. 11:30-12	413 T.	501 W. 120
Woodrow, H. H. Lect.	Tu.-F. 2-4	418 B.	Hartley Hall
Woodruff, I. O. Asst.		P. & S.	152 W. 78

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Woodward, B. D. Prof.	Absent on leave		
Woodworth, R. S. Adj. Prof.	M. W. 3	409 S.	Montrose, N. Y.
Woolman, Mrs. Mary S. Prof.	Tu. 10-11; 4-5		
	F. 11-12	332 T.	21 W. 101
Woolson, I. H. Adj. Prof.	M.-F. 9:30-5	308 E.	
Yard, A. B. Clin. Asst.		V. C.	28 W. 105
Yocum, J. G. Dem.		P. & S.	128 E. 73
Yohannan, A. Lect.	Tu. Th. 3-4	401 W.	321 W. 118
Young, C. H. Prof.	M. 3-4	514 Hm.	312 W. 88
	Tu. 2-3	211 L.	
Young, Elizabeth D. Tr.		Sp. S.	71 E. 96
Zerbe, Margaret M. Instr.		T.	500 W. 121
Zinsser, H. Asst.		P. & S.	101 W. 80

DIRECTORY OF STUDENTS

The italic letter following the name indicates the school in which the student is primarily registered—as follows:

c College
l School of Law
m School of Medicine
p School of Pure Science
ph School of Philosophy
pl School of Political Science
s School of Mines, Chemistry, and Engineering
b Barnard College
t Teachers College
f a Fine Arts (Architecture, Music and Design)
phar School of Pharmacy

The numbers 1, 2, 3, and 4 preceding these letters indicate the class. The abbreviation **gr** indicates a graduate student in the professional schools, **nm** a non-matriculated student.

The names of women are printed in *italics*.

"Hartley," "Livingston," "Brooks" and "Whittier" refer to the University Residence Halls.

For names of students not in Directory, see Class lists in Annual Catalogue, and for addresses consult card index in Office of Registrar.

Abbey, E. N. 3 *l* Livingston
Abbott, A. H. 4 *t* 510 W. 124
Abeles, M. J. S. *pl* 122 E. 111
Abelow, S. P. *pl* 74 Sumner ave., Bklyn.
Abrams, L. D. *pl* 831 Willoughby ave., Bklyn.
Abrons, H. 3 *m* 1292 Park ave.
Acker, J. *fa* 2329 Seventh ave.
Ackerman, H. C. *ph* 175 9th ave.
Ackerman, P. C. 1 *m* 742 Union, Bklyn.
Ackerman, S. H., Jr. 1 *m* 742 Union, Bklyn.
Adams, A. F. H. *f a* 191 Ryerson, Bklyn.
Adams, C. W. *f a* 2372 Seventh ave.
Adams, F. D. ph *423 W. 118*
Adams, F. F. *p*
Adams, F. L. *nm l* 150 Nassau
Adams, H. 4 t *Whittier*
Adams, H 4 *s* 511 W. 122
Adams, K. M. 4 t *Upper Montclair*
Adams, P. H. 3 *m* 106 E. 70
Adamson, E. W. gr t *419 W. 118*
Adler, R. S. *f a* Livingston
Adlman, S. 2 *c* 15 Ryle ave., Paterson
Agnew, T. *gr t* Bloomfield
Agramonte, P. H. *s* 292 W. 92
Aiguier, H. L. 2 b *622 Clifton ave., Newark*
Albertson, W. R. *f a* 619 W. 113
Albright, V. E. *ph* Hartley
Alexander, H. 1 *m* 616 River, Hoboken
Alexander, G. D. 3 *c* 14 St. Nicholas Pl.
Alexander, E. R. 3 *s* 565 W. 113
Alexander, I. 3 b *310 W. 94*
Alexander, L. F. 2 b *940 St. Nicholas ave.*
Alexander, L. H. *ph* 602 W. 146
Alexander, R. T. 3 *c* 142 E. 19
Alexander, T. M. 4 *c* 764 St. Nicholas ave.
Alexander, W. A. 2 *s* 455 E 18, Bklyn.
Allan, A. R. 3 b *Montclair*
Allen, B. M. 3 t *Whittier*
Allen, E. Z. 4 b *Hotel San Remo*
Allen, E. L. 1 b *294 W. 92*

Allen, F. M. 1 *s*
1214 Main, Peekskill
Allen, L. 3 t *102 W. 90*
Allen L. B. ph *206 W. 133*
Allen, T. A. *phar* Metuchen, N. J.
Alles, R. H. *ph* 130 W. 123
Alling, F. A. 1 *m* 135 W. 93
Allis, M. L. pl *Whittier*
Allison, G. D. *pl* 700 Park ave.
Altemburg, E. 1 *c*
2803 Third ave., Bronx
Alterman, J. J. 3 *c* 135 Eighth ave.
Alvord, K. S. pl *Whittier*
Amano, S. I. *pl* 64 E. 133
Amdursky, A. M. 1 *c*
2197 Eighth ave.
Amend, C. G. 4 *s* 33 W. 81
Ames, J. S. 3 *m* Hartley
Amidon, D. E. 3 *c* Livingston
Amy, E. C. 4 *t* 519 W. 121
Ananieff, V. P. 1 *s* 5 W. 125
Anderson, E. L. ph *50 E. 49*
Anderson, L. S. 2 b *318 43, Bklyn.*
Anderson, R. H. 2 *l* Hartley
Anderson, W. C. R. *gr t* Hartley
Anderton, W. P. 1 *m*
180 Madison ave.
Andrei, C. 4 *s* 142 W. 83
Andvon, I. *gr t*
355 Penn'a ave., Bklyn.
Angell, M. A. 3 *t*
824 Dawson, Bronx
Annan, Robert 2 *s* 608 W. 113
Appel, A. 3 *c* 82 E. 109
Appel, F. J. 4 *t* 32 W. 123
Arbus, C. M. 3 t *509 W. 122*
Arkenburgh, G. S. 3 b *517 W. 124*
Arkush, J. E. 2 *s*
428 Central Park W
Arms, G. T. 2 *l* Yale Club, 44
Armstrong, A. C. 4 *s* 612 W. 116
Armstrong, C. P. 4 b *144 E. 37*
Armstrong, D. 3 *c* 144 E. 37
Armstrong, L. J. 4 b *144 E. 37*
Armstrong, L. L. 3 b *392 Mountain ave., Upper Montclair*
Armstrong, M. E. 2 b
756 Putnam ave., Bklyn.
Arner, G. B. *pl* Livingston
Arnold, F. C. *gr t* 277 W. 114
Arnold, J. L. *p*
Gould Hall, N. Y. U.
Arnstein, W. L. 3 *s* 205 E. 57
Aron, B. M. 3 b *612 W. 115*
Ascher, B. 3 *s* 59 Second ave.
Aschner, P. W. 2 *c*
111 Clark, Bklyn.
Ash, A. 4 b *316 W. 103*
Ash, M. f a *316 W. 103*
Ashe, J. R. 1 *m* 151 W. 103
Asher, J. 1 *l* 18 E. 9
Asker, L. gr t *Whittier*
Askowith, D. 4 b
1771 Madison ave.
Aston, A. 3 *l* 78 Hanson Pl., Bklyn.
Auerbach, C. 2 b *304 W. 87*
Auerbach, E. F. ph *304 W. 87*
Augsbury, E. S. *gr t* 132 E. 23
Augur, V. 4 t *Ave. N and E. 10 Bklyn.*
Auleta, V. H. *ph* 304 E. 110
Ault, H. A. *1* l 409 W. 127
Ault, J. P. *p* 409 W. 127
Auslander, Armin *gr t* 251 W. 123
Ausmus, D. M. *ph*
Tompkinsville, S. I.
Austin, K. L. 3 t *526 W. 122*
Avent, J. M. 2 *t* 901 Ogden ave.
Avery, E. T. 3 t *Whittier*
Avery, W. *c* 98 Second Pl., Bklyn.
Axelrad, J. 4 *m*
1066 Fortieth, Bklyn.
Axman, L. H. 1 *c*
321 St. Nicholas ave.
Axt, May C. 4 b
Port Richmond, S. I.
Axtell, S. B. 2 *l* 353 W. 17
Ayer, F. S. 1 *s*
123 31, Weehawken
Aymar, F. W. *pl*
225 West End ave.
Ayres, D. D. 4 *t*
109 Grand, Bklyn.
Ayres, D. R. 3 *m* 337 W. 34
Ayers, W. C. 1 *s* 608 W. 113

Babb, E. A. 3 t *Whittier*
Babcock, H. G. 4 *s* 500 W. 123
Babcock, T. S. 2 *s*
Pelham Manor, N. Y.
Bach, H. M. 1 *s* 407 W. 117
Bach, R. F. 3 *c* 2516 Eighth ave.
Back, E. M. 4 t
312 S. Broadway, Yonkers
Baegel, M. 4 *m* 112 Henry
Baehr, G. 4 *m* 78 W. 94
Baer, S. 2 *s* 114 E. 87
Baerd, G. J. 4 t *Whittier*
Bagley, G. J. 4 *c* Rahway, N. J.
Bagnell, R. H. 4 *c*
268 Stuyvesant ave., Bklyn.
Bailey, J. G. *pl* 700 Park ave.
Bailey, M. H. nm b *92 Fourth ave.*
Bailey, M. W. 2 b *92 Fourth ave.*

Bailly, E. C. 2 *l* Hartley
Bain, A. W. *gr t* Livingston
Bains, T. M., Jr. 1 *s* 520 W. 123
Baker, B. W. 4 *t* 556 W. 186
Baker, E. F. *ph* 511 W. 122
Baker, H. D. 1 *c* 325 W. 108
Baker, Jr., J. A. 1 *s* 314 W. 88
Baker, M. E. 4 t
Closter, Bergen Co., N. J.
Baker, N. B. 3 t *Whittier*
Baker, V. phar *21 Wickham ave., Middleton, N. Y.*
Balch, F. E. 3 t *Whittier*
Baldt, L. I. 3 t *501 W. 123*
Baldwin, B. J. *pl* 700 Park ave.
Baldwin, B. N. 3 t
47 Claremont ave.
Baldwin, E. F. 3 *t* 140 W. 102
Baldwin, H. V. V. *s* 413 W. 117
Baldwin, L. W. 1 *l* 619 W. 113
Baldwin, M. F. 4 t *Whittier*
Ball, D. A. 4 t
210 Alexander ave.
Bamber, W. R. 2 *s*
844 Union, Bklyn.
Bamberger, A. L. p
392 First, Bklyn.
Bangs, F. N. 2 *c* 627 W. 115
Bangs, G. H. 2 *s* 431 W. 162
Bangs, H. McC. 2 *l* 12 W. 44
Bangser, A. 2 *l* Livingston
Banks, H. P. 4*c* 304 W. 91
Banks, V. M. 3 t *Whittier*
Bannon, W. J. 2 *m*
Baronoff, R. 4 t *529 W. 135*
Barber, F. W. 3 *t* 423 W. 118
Barber, J. F. 2 *l* Hartley
Barber, W. H. 3 *c*
210 Rodney, Bklyn.
Bard, H. E. *gr t* 421 W. 121
Barili, Jr., A. *f a* 76 W. 105
Barlow, A. E. 1 *s*
833a Lafayette ave., Bklyn.
Barnes, A. E. *gr t*
Freeport, N. Y.
Barnes, C. P. *ph* 1002 E. 177
Barnes, S. 4 t *420 W. 118*
Barnett, I. I. *t* 5 W. 112
Barnett, N. 4 *m* 400 West End ave.
Barnett, N. M. 4 t *511 W. 122*
Barnes, L. M. W. 3 t *509 W. 122*
Barnes, M. 3 t
Barney, M. I. 4 t
57 Hillyer, Orange
Barnitt, F. B. 3 *s* Hartley
Baroff, A. 2 *c* 1458 Brook ave.
Barr, L. E. 4 t *418 W. 118*
Barrett, A. L. 4 t *508 W. 122*
Barrett, G. H. 2 *c* 257 W. 86
Barrett, P. S. 2 *c* 558 W. 113
Barrett, S. A. *ph* 515 W. 124
Barrick, M. O. ph
243a Summit ave., Jersey City
Barrows, A. P. ph
53 Washington Sq.
Barrows, T. 2 b *102 W. 115*
Barrows, W. 3 b *Brooks*
Bartlett, D. A. *p* 507 W. 102
Bartow, L. 3 *c* 33 W. 73
Batchelor, C. B. *gr t* 318 W. 57
Bates, E. C. 4 *m* 108 W. 64
Bates, S. E. 1 *s*
243 E. 6, Plainfield, N. J.
Bates, W. S. 4 *s* 49 E. 49
Batt, R. M. 2 *c* Hartley
Battle, Jr., J. A. 3 *s* Livingston
Baum, A. L. 3 *c* 252 W. 128
Baum, P. 3 *l* 130 E. 115
Baumann, O. I. 2 *m* 336 E. 72
Baumeister, V. A. 1 *s*
402 Amity St., Flushing, N. Y.
Baumer, H. P. 1 *l* 100 William
Baumert, C. 3 t *815 Park ave.*
Baxter, E. P. 3 t
Baxter, M. W. pl *Whittier*
Baxter, R. W. *ph* Chelsea Square
Bazinet, A. 3 t
1228 Amsterdam ave.
Beach, K. A. *pl* 700 Park ave.
Beam, L. E. 3 b
Bean, F. L. *phar* McGray, N. Y.
Beard, Jr., J. T. 2 *c* Hartley
Beck, D. 2 *m* 9 E. 112
Becker, B. M. 3 t *254 W. 98*
Becker, F. J. *gr t* 341 E. 124
Beckwith, C. J. p *Whittier*
Beckwith, M. W. ph *423 W. 118*
Bedell, Mrs. S. G.
997 Greene ave., Bklyn.
Bedinger, H. G. 3 *l* Livingston
Beecher, H. C. 3 t *Whittier*
Beeckman, F. L. pl *141 W. 104*
Beekman, B. 3 b *46 W. 129*
Beekman, R. 4 b *46 W. 129*
Beers, B. A. 4 b
35 Clinton Pl., Jamaica, N. Y.
Beggs, G. E. 2 *s* Livingston
Behr, K. H. 1 *l* 41 W. 74
Beirne, W. B. P. F. *c* 504 W. 158
Belinkoff, S. 2 *c*
137 W. 27, Bayonne, N. J.
Belknap, W. B. 1 *c* 204 W. 83
Bell, H. K. 2 *m*
305 Barclay, Flushing, N. Y.

Bell, M. B. V. 3 t *32 Bodine, West New Brighton, S. I.*
Bell, Jr., W. A. 2 *c* 19 Bay 38, Bklyn.
Beller, A. J. 2 *m* 133 E. 97
Bender, S. 1 *c* 291 Stuyvesant ave., Bklyn.
Bender, T. 2 *m* 76 Jasper, Paterson, N. J.
Bendick, A. J. 3 *m* Ocean and Sunrise Terrace, Tompkinsville, S. I.
Benedict, V. 2 *s* 523 W. 152
Bennett, A. L. 1 b *Georgetown, Conn.*
Bennett, C. R. 4 t *510 W. 124*
Bennet, M. S. gr t *Whittier*
Bennett, R. C. *nm l* Hartley
Benson, C. D. 1 *s* 255 W. 101
Benson, L. W. 3 *t* 431 W. 121
Bentley, E. 4 t
Benton, N. K. 3 *m* 188 N. 9, Newark, N. J.
Berenberg, D. P. 1 *c* 887 Greene ave., Bklyn.
Berg, A. V. *f a* Livingston
Bergamini, R. 3 t *55 W. 9*
Berge, F. O. 2 *c* 418 W. 118
Bergmann, R. C. 3 *s* 19 E. 126
Bergstein, A. *gr t* 1486 Fifth ave.
Berinstein, B. 2 *c* 749 Trinity ave.
Berkowitz, H. 1 *c* 798 Tremont ave.
Berliner, L. H. 4 *c* 234 W. 139
Bermingham, E. J. *f a* 618 W. 147
Bernard, U. M. 3 b *Brooks*
Bernays, J. pl *121 W. 119*
Bernfeld, L. M. 3 *s* 28 W. 118
Bernkopf, A. E. 3 t *503 W. 121*
Bernkopf, B. M. 4 t *223 W. 138*
Bernstein, C. D. *f a* 76 W. 119
Bernstein, M. H. 3 *l* 141 W. 97
Berry, E. H. p *560 W. 113*
Bertini, A. A. 3 *l* 154 Bleecher
Bessie, A. 1 *m* 991 Union ave.
Best, H. *pl* 474 W. 152
Best, W. N. *nm c* 544 W. 113
Bettelheim, Jr., E. S. 1 *s* 175 W. 85
Betts, C. E. 1 *s* Westport, Conn.
Betts, G. H. *gr t* 1525 Amsterdam ave.
Bevier, L. 2 *l* 244 W. 104
Bibby, H. L. 2 *m* Paterson
Bidstrup, E. 3 t *46 Jerome, Bklyn.*
Bieber, P. D. 1 *c* 383 E. 8
Bijur, H. 4 *c* 160 W. 75
Billingsley, P. 4 *c* 446 Macon, Bklyn.
Birch, G. H. *nm s* 611 W. 110
Bisch, L. E. 1 *m* Livingston
Bischoff, S. 2 *s* 103 W. 114
Bishop, F. A. 4 t *Whittier*
Bishop, F. A. 1 b *500 W. 122*
Bishop, F. W. 3 *c* 202 W. 103
Bishop, H. A. 3 t *Whittier*
Bishop, S. H. 1 *c* 127 W. 30
Bissell, C. Y. *f a* 612 W. 115
Bissell, L. J. 1 *l* Livingston
Bissell, P. St. G. *pl* Freeport, L. I.
Bissell, Jr., P. St. G. 3 *c* Freeport, L. I.
Bixby, F. A. gr t *Whittier*
Blaber, J. T. 2 *c* 203 18, Bklyn.
Blaber, M. P. 2 *m* 203 18, Bklyn.
Black, F. A. 2 b *211 Clinton, Bklyn.*
Black, H. S. 2 *s* 63 Franklin ave., New Rochelle
Black, Jr., L. M. *l* 376 McDonough, Bklyn.
Blackwood, W. C. 3 *s* 404 St. Nicholas ave.
Blair, A. E. 3 t *Whittier*
Blake, C. D. 3 t *510 W. 124*
Blakely, S. B. 4 *m* 35 W. 65
Blakeman, F. T. *f a* 48 W. 59
Blakey, L. S. *pl* 419 W. 121
Blan, L. B. *gr t* 87 Richmond ave., Port Richmond
Blanchard, C. D. 3 t *521 W. 122*
Blanco, A. *phar* Hartley
Blauvelt, A. la T. 4 t *Whittier*
Blechman, J. P. 2 *l* 4 E. 119
Blinn, O. S. 3 *c* 496 Jefferson ave., Bklyn.
Bliss, E. F. 3 *s* 135 E. 49
Bliss, N. E. 2 *s* Livingston
Bloch, S. 1 b *552 W. 161*
Block, A. P. 3 *m* 87 W. 119
Block, M. J. 1 *s* 1285 Third ave.
Blocker, S. *ph* New Brunswick, N. J.
Blodgett, C. E. 3 t *Whittier*
Bloom, I. 4 *c* 61 E. 3
Bloom, I. M. 4 *c* 124 W. 117
Bloomgarden, A. S. 4 *m* 550 Ave. A., Bayonne, N. J.
Blow, G. A. 3 *s* Livingston
Bluhm, J. *gr t* 25 E. 124
Blum, H. 3 *m* New Brunswick
Blum, J. 2 *m* 106 W. 115
Blumborg, I. B. 1 *c* 113 Second
Blumberg, H. *p* 268 Stockton, Bklyn.
Blumenfeldt, R. 2 *s* 11 W. 82

Blumenthal, A. S. 1 *s* 240 W. 102
Boardman, M. T. 4 b
Bloomfield, N. J.
Boas, E. P. 1 *c*
Franklin ave., Grantwood, N. J.
Boas, H. M. 3 b
Franklin ave., Grantwood, N. J.
Bockée, M. P. 4 t *141 W. 104*
Bockshitzky, S. 2 *m* 19 Montgomery
Bode, G. H. 4 *s* 424 W. 147
Bode, L. H. 1 *s* 231 W. 137
Bogert, M. 1 b
58 Lawrence, Flushing, L. I.
Bohan, L. 2 b *Brooks*
Böhler, R. F. *nm s* Astor House
Boillot, E. *f a* 520 W. 123
Bole, G. A. 2 *s* 170 Broadway
Bondy, E. L. 3 *l*
477 Manhattan ave.
Bonestell, C. K., Jr. *f a*
Bonfils, G. A. 2 b
147 Union ave., Jamaica
Bonner, R. O. 3 *s* Livingston
Bonnlander, V. C. 4 *c* Hartley
Bonsall, A. L. nm t *Whittier*
Bonsall, U. F. M. *ph* Livingston
Bonsfield, H. W. 1 *s*
1493 Pacific, Bklyn.
Boorman, K. M. 4 *c*
Riverside Drive and 173 st.
Boote, M. L. 3 t 99 Highland ave.
Borchardt, A. H. 3 *s*
1330 Pacific, Bklyn.
Borchardt, E. M. 4 *c* 352 E. 124
Borland, M. nm b *116 E. 37*
Born, S. 2 *s* 320 W. 139
Bosch, E. A. p *275 W. 145*
Bosch, J. A. 1 b *660 E. 163*
Botsford, C. S. 2 *t* 531 W. 155
Bowers, F. T. 1 *c*
650 Kosciusko, Bklyn.
Bowers, L. P. *pl* 700 Park ave.
Bowers, W. C. 4 *m*
Washington, N. J.
Bowes, C. M. 2 *s* 404 W. 116
Bowes, W. R. 4 *s* 404 W. 116
Bowles, Jr., P. E. 2 *s*
Bowman, Jr., A. M. *nm l*
418 W. 118
Bowman, C. M. p *151 W. 105*
Bowman, K. H. 1 *c* Hartley
Bowdish, L. F. gr t
37 Kenilworth Pl., Bklyn.
Boyd, M. A. 3 b
Jessup Pl., High Bridge
Boyle, Jr., A. C. *p*
1249 Amsterdam ave.
Boyle, J. N. 3 *l* 531 W. 113
Boyson, C. H. 3 t *Whittier*
Bradford, A. H. *pl* 700 Park ave.
Brady, Jr., W. G. 4 *c* 109 W. 122
Bradshaw, W. M. 3 *m* 55 E. 72
Braender, W. P. 1 *s*
20 B'way, White Plains, N. Y.
Brainerd, H. B. 3 *c* 135 E. 30
Brainerd, H. B. *f a* 135 E. 30
Brainin, C. S. 4 *c*
1851 Madison ave.
Bramwell, G. M. 1 *c*
Lawrence, L. I.
Brand, C. S. *pl*
72 and Lexington ave.
Brandan, G. J. *ph*
115 Butler, Bklyn.
Brandenburg, E. K. *p* Whittier
Brandley, W. G. 4 *c*
52 Hillside Pl., Newark
Brandt, R. C. 1 *c*
407 Washington ave., Bklyn.
Brautigam, E. R. ph
32 Lincoln, East Orange, N. J.
Brazil, A. M. 2 *s* Hartley
Brazil, L. M. *nm s* Hartley
Breck, W. R. 3 *c*
125 Wadsworth ave.
Breckinridge, M. G. ph
Breed, P. ph *503 W. 111*
Breene, M. L. ph *Whittier*
Breitenfeld, E. 3 *c* 221 E. 68
Brenner, E. C. 4 *m*
174 St. Nicholas ave.
Brenner, N. 2 *c* 252 Carroll, Bklyn.
Brenner, S. *f a* 107 Second ave.
Brett, G. M. *p* Hartley
Brettain, J. B. 2 *c* 531 W. 113
Breunig, V. E. phar
52 Sixteenth ave., Newark
Brewer, A. T. t *Whittier*
Brewer, M. D. 4 t *Whittier*
Brewster, A. D. ph *527 W. 124*
Briggs, A. B. 4 t *Whittier*
Briggs, B. I. 3 t *Whittier*
Briggs, R. W. 1 *s* 280 Wallace ave.
Bridgeman, L. W. 4 *c*
Astoria, N. Y.
Brill, A. 4 *c* 391 E. 157
Broadhurst, R. L. gr t
320 Greene ave., Bklyn.
Brock, R. E. *nm c* 429 W. 117
Bronson, B. S. 4 *c* 604 W. 114
Broe, A. L. 2 *s* 214 E. 61
Brooks, H. B. 3 t *Whittier*
Brophy, P. F. 3 *s* Livingston
Brown, B. E. 3 t *515 W. 111*

Brown, C. B. 2 *s* 337 W. 34
Brown, E. S. 1 *s*
64 Orient Way, Rutherford, N. J.
Brown, F. E. 4 *m* 35 W. 65
Brown, F. L. 2 *m* 231 W. 69
Brown, H. 1 b *Brooks*
Brown, H. M. 3 t *Whittier*
Brown, J. 1 b
94 Shelton ave., Jamaica
Brown, J. S. *gr t* 47 W. 66
Brown, L. A. 3 t *Whittier*
Brown, L. A. 3 *c*
1838 Madison ave.
Brown, L. H. 2 *s*
Hotel Marie Antoinette
Brown, Miss M. L. ph 131 W. 58
Brown, R. S. 2 *c*
216 Third st., Jersey City
Brown, Jr., W. H. 3 *c* 102 W. 93
Brown, K. C. 3 *s* 1235 Tinton ave.
Browne, D. H. *pl* 700 Park ave.
Browne, E. N. p *Whittier*
Browne, M. E. p
1539 Pacific, Bklyn.
Brownell, E. G. 4 *m* 314 W. 56
Brownell, M. 1 *c* 569 W. 184
Bruce, W. J. *pl* 135 W. 143
Buck, K. W. *pl* Hartley
Bruckheimer, R. M. 1 *m*
22 Mt. Morris Park W.
Brundin, T. M. P. 4 b
112 Clinton, Corona, L. I.
Bruning, E. E. M. 1 b
317 73 Bklyn.
Bruno, A. 1 *c*
1249 Amsterdam ave.
Brunson, Geo. H. *pl* 500 W. 132
Brush, A. C. 4 t *113 W. 69*
Bryan, E. H. *t* Campyan, N. J.
Buchbinder, H. E. *p* 85 Willett
Buchner, Jr., C. J. 2 *l*
789 Willoughby ave., Bklyn.
Bucher, I. H. 3 t *Whittier*
Bucher, M. E. ph
411 Bullsferry Road, Weehawken
Buchtenkirch, W. E. 1 *s* 228 E. 31
Buckisch, W. G. 2 *c*
595 E. 7, Bklyn.
Budds, M. H. 4 b *154 W. 105*
Budinich, J. *t* 143 W. 117
Buemming, C. A. 3 t
95 Cornelia, Bklyn.
Buffett, B. R. 3 *l* Livingston
Bugbee, E. 3 b *500 W. 124*
Buland, M. E. ph *Whittier*
Bulkley, C. S. 3 *l* 627 W. 115
Bulkley, K. 3 *m* 531 Madison ave.
Bundren, V. 3 t *Whittier*
Burdett, L. C. 3 *l*
2434 Seventh ave.
Burdick, C. K. 3 *l* 633 W. 115
Burdick, E. M. 4 t *Whittier*
Burditt, T. H. *f a* Hartley
Burger, F. 2 b
552 Sutter ave., Bklyn.
Burgers, E. P. J. 1 *s* 508 W. 113
Burke, A. M. 1 b *Brooks*
Burke, R. P. 4 *m* 25 W. 65
Burkhalter, F. E. 4 *c* Livingston
Burlingham, G. S. p
2776 Decatur ave., Bedford Park
Burnap, S. R. 3 *m* 301 W. 109
Burne, E. 1 b *Douglaston, L. I.*
Burnett, T. W. 4 *m* 3421 B'way
Burnham, M. I. 4 t *609 W. 135*
Burns, E. C. 1 b
162 Eighth ave., Bklyn.
Burns, R. A. 1 b
27 Sound View, Port Chester
Burritt, B. B. *gr t* 94 Lawrence
Burrows, E. M. 4 b
25 Neperon Rd., Tarrytown
Buseck, L. 3 t
Butler, A. S. ph *Whittier*
Butler, B. T. *p* 3198 Hull ave.
Butler, C. L. p *Whittier*
Butler, H. R. 3 t *346 W. 71*
Butler, M. E. 4 t *346 W. 71*
Byerly, E. M. ph *423 W. 118*
Bykowsky, H. E. *phar* 10 W. 65
Byrne, F. J. 4 *s*
623 Lexington ave.
Byrne, J. F. *nm c* 132 W. 77
Byrne, M. B. C. 3 t
370 Cypress ave.
Byrne, M. C. ph
338 Decatur, Bklyn.

Cahoone, W. M. *s* 530 W. 123
Caldwell, Jr., J. H. 1 *s*
Callan, A. M. 1 b *816 E. 176*
Calman, D. 3 b *127 W. 81*
Campbell, F. W. 3 *m*
288 Union ave., Bklyn.
Campbell, L. L. 1 *l* Livingston
Campbell, M. A. gr t
467 Bergen ave., Jersey City
Campbell, N. 4 t *65 Brookfield Rd, Upper Montclair*
Campbell, S. E. 4 t *Whittier*
Campbell, V. H. 4 t
Lowerre Summit Park, Yonkers
Campus, E. 2 *m* 64 Delancey
Cane, W. G. 3 *c* 519 W. 121

Cannon, G. L. p
Clay ave., near 175
Canto, Y. H. 4 *m* 28 W. 137
Capablanca, J. R. 1 *s* Hartley
Capo, G. R. f a *51 W. 139*
Capron, B. A. 4 t *Whittier*
Caramés, A. *f a* 104 Lenox ave.
Caranicolas, G. N. 2 *l* 145 W. 36
Carbone, M. G. 4 *s* 102 W. 56
Cardozo, D. 1 *c* 337 W. 70
Cardozo, S. B. 2 *c* 337 W. 70
Carlin, J. E. *nm m* 1310 Clay ave.
Carlson, E. W. *p*
Carlucci, G. A 4 *m* 47 Seventh st.
Carmichael, C. 3 *c* 165 W. 58th
Carpenter, R. 3 *c* 253 W. 100
Carpenter, W. M. 3 *s* 253 W. 100
Carpentier, M. A. *ph* 49 W. 94
Carr, H. L. 2 *s* Hartley
Carrig, F. J. 2 *c* 758 West End ave.
Carroll, A. L. 3 b 178 W. 88
Carroll, C. R. 3 *c* 178 W. 88
Carroll, R. 1 b *Brooks*
Carter, G. B. *pl* 558 W. 113
Carter, K. F. 1 *s*
121 Neperan Rd., Tarrytown
Caruso, C. W. 1 *c*
142 Seventh ave., Newark
Casey, J. F. 3 *m*
Casey, M. A. 4 b *174 E. 82*
Cassebeer, A. F. 4 *m* 118 W. 64
Cassebeer, W. H. *f a* Hartley
Cassel, T. 1 b *1976 Madison ave.*
Cassetta, D. 4 *c*
180 Broadway, Astoria, L. I.
Cassini, H. C. 4 *m* Orange
Castell, G. O. 1 *c* 618 W. 136
Casterlin, E. H. *pl* 530 W. 123
Castritsy, G. P. *ph* 230 W. 95
Caswell, E. T. 1 *s*
7 Toledo ave., Elmhurst
Catlin, W. B. *pl* Livingston
Catton, J. E. 3 t *Whittier*
Cawley, A. A. ph
341 Ave. C, Bayonne
Cazin, A. p
1108 Bloomfield, Hoboken
Cella, C. D. 4 *c*
206 Hudson, Hoboken
Celler, E. 2 *c*
838 Greene ave., Bklyn.
Cerussi, B. P. 3 *s*
554 Courtland ave.
Chapman, F. B. *f a* 627 W. 115
Chmielnuski, H. 1 *l* Livingston
Chamberlain, E. B. *ph*
700 Park ave.
Chamberlain, E. C. *nm s*
500 W. 143
Chamberlin, C. ph *Whittier*
Chamberlain, J. P. *nm l* 131 E. 55
Chamberlin, M. 4 t *Whittier*
Chambers, F. W. 3 *l* 417 W. 117
Chanalis, M. N. 3 *c* 207 W. 115
Chandler, H. C. 4 t *503 W. 121*
Chapin, H. E. 1 *l* 623 W. 142
Chapin, J. P. 2 *c* 623 W. 142
Hamilton Park, New Brighton
Chapman, M. B. pl *100 W. 85*
Chase, A. G. pl
115 Schermerhorn, Bklyn.
Chen, H. C. *pl* Hartley
Chen, W. F. *p* Livingston
Cheney, C. O. 3 *c* 552 Lenox ave.
Cheney, G. W. 4 *t*
38 Morningside ave., Yonkers
Cheny, Jr., W. A. 1 *s*
67 Waller ave., White Plains
Cherry, W. H. 1 *l*
373 Manhattan ave.
Child, Jr., F. S. 3 *m* Hospital
Lexington ave. and 42
Child, Jr., A. M. 3 *c* 169 Franklin
Childs, R. 2 b *68 W. 119*
Childs, S. H. 1 *c*
362 Riverside Drive
Chilian, S. A. 1 *m* 1238 Third ave.
Chrislip, A. E. *gr t* 419 W. 121
Christian, A. M. *f a* 27 W. 67
Chrystie, J. N. 3 *s* 101 W. 128
Church, E. C. 1 *l* 4 E. 130
Claiborne, R. R. 1 *c* 226 E. 60
Clapp, E. R. 4 b *Brooks*
Clare, J. L. 3 *l* 5 W. 122
Clark, C. M. 2 *c* 568 W. 173
Clark, D. L. *f a* 318 W. 57
Clark, J. H. *f a* Hartley
Clark, J. M. *nm c* 616 W. 113
Clark, L. M. 3 t
Christie Heights, Leonia, N. J.
Clark, M. A. *gr t* Bedford, N. Y.
Clark, M. M. ph
305 Sixth ave., Bklyn.
Clark, S. M. 1 *s*
427 Franklin ave., Bklyn.
Clark, T. F. 3 *l* 54 E. 54
Clark, W. E. *pl* C. of C. of N. Y.
Clarkson, W. T. *pl* 700 Park ave.
Claypole, M. E. 4 t *Whittier*
Clement, A. A. 1 b *467 W. 163*
Clemson, W. E. 2 *s*
402 Broad, Newark
Clinkscales, L. D. 3 *l* Livingston
Clough, B. gr t *Whittier*

Cloughen, Jr., J. 1 *s* 215 E. 117
Coates, G. 4 t *511 W. 122*
Cobb, E. P. 4 t *Whittier*
Cobb, J. L. 3 *c* 362 W. 57
Cobb, W. F. 1 *m* 5 W. 125
Coble, M. S. 4 *m* 113 E. 96
Cobden, Jr., R. 1 *s*
Riverside Drive and 116
Cochran, J. I. 3 b *120 W. 12*
Cocke, H. M. 3 t *345 W. 122*
Coffin, M. 3 t *519 W. 121*
Cohen, A. 4 t
2210 Aqueduct ave. E.
Cohen, A. *ph* 747 E. 5
Cohen, A. B. *gr t*
1402 Pitkin ave., Bklyn.
Cohen, H. 3 *c* 29 Attorney
Cohen, H. A. 2 *m* 143 W. 11
Cohen, H. L. ph *38 W. 93*
Cohen, I. 3 *c* Anderson ave. and 165
Cohen, I. 3 *l* 309 W. 128
Cohen, J. H. 2 *c* 43 W. 87
Cohen, S. 2 *m* 507 W. 157
Cohen, S. M. 2 *c* 107 Madison
Cohen, S. R. *pl* 1383 Dean, Bklyn.
Cohn, A. A. 2 *l* Hartley
Cohn, B. L. 2 *c* Hartley
Cohn, C. T. 3 *s* 209 W. 118
Cohn, E. 3 t *1171 Park ave.*
Cohn, H. 3 *s* 126 E. 83
Cohn-McMaster, A. M. *3 c*
2018 Fifth ave.
Cohn, Sidney, 3 *m*
2051 Belmont ave.
Colas, N. 1 *s* 134 W. 64
Cole, A. B. 1 *s*
100 Montclair ave., Montclair
Cole, H. T. 1 *s* 524 W. 123
Cole, M. F. ph
121 Locust Hill ave., Yonkers
Cole, P. G. 2 *m* 356 W. 57
Coleman, A. A. ph *Pelham Manor*
Coleman, J. G *gr t*
617 Bloomfield, Hoboken
Coleman, McA. 3 *c* 167 W. 73
Colligan, E. A. 4 *t*
111 Ainslie, Bklyn.
Collins, C. M. *pl*
770 Eleventh ave., L. I. City
Colodny, I. *ph* 523 11, Bklyn.
Colton, H. E. 3 *l* 511 W. 122
Colton, I. H. *c* 116 and Broadway
Colton, R. 1 *c*
Rochelle Park, New Rochelle
Colwell, R. H. gr t *415 W. 118*
Combes, Jr., A. C. 1 *m*
20 Elmhurst ave., Elmhurst, L. I.
Comin, R. *pl*
Beech st., Richmond Hill, L. I.
Commorato, J. R. 4 *m*
Compton, G. B. 3 *c*
181 Claremont ave.
Comstock, G. F. 3 *s*
125 Riverside Drive
Comstock, M. C. 4 *c* 536 W. 114
Conant, S. H. pl *526 W. 114*
Condit, J. R. 4 t *Whittier*
Conger, A. D. *c* 412 W. 115
Conroy, M. S. 1 b
13 Townsend ave., Stapleton
Consalus, F. H. 3 t
2035 Seventh ave.
Converse, M. 4 t *Whittier*
Cooder, C. M. 1 *l* Livingston
Cook, Jr., W. P. 4 *s*
1111 Dean, Bklyn.
Coombs, H. C. 1 b
312 S. Broadway, Yonkers
Cooper, C. R. 2 b *223 W. 104*
Cooper, C. S. *ph* 3 W. 29
Cook, E. H. 1 *s*
432 Central Park W.
Cooper, F. S. 2 *c* Hartley
Cooper, H. E. 4 t
218 Park ave., Yonkers
Cooper, H. R. *phar* Walden, N. Y.
Cooper, J. R. 2 *s* 325 Convent ave.
Copeland, R. 3 *c*
628 Washington ave., Bklyn.
Coplan, N. 1 *l* 533a 14, Bklyn.
Corbett, J. S. 3 *c* 915 Forest ave.
Corbin, A. M. 4 t *Whittier*
Corcoran, C. A. *p* 81 Bedford
Cordovez, 2 *s* Broadway and 137
Corlett, V. W. 2 *l* 22 E. 31
Cornell, J. H. *f a* Lawrence, N. Y.
Cornish, S. D. *phar* Carmel, N. Y.
Correll, E. H. 3 t *Whittier*
Corsa, H. P. 1 *s* 209 W. 108
Cort, A. *gr t* 408 W. 150
Corton, Wm. A. 2 *c* 850 Third ave.
Corwin, H. E. *nm c* 558 W. 113
Coss, J. J. *ph* 70a Park ave.
Counselman, T. B. 2 *s* 429 W. 117
Covello, L. 1 *c* 308 E. 113
Coveney, R. 3 b
8738 23rd ave., Bklyn.
Cowen, A. 4 *c* 39 E. 74
Cowen, E. D. 2 b *520 W. 122*
Cowen, M. I. nm b *39 E. 74*
Cowherd, J. B. 3 *m* Livingston
Cowie, R. *f a* Livingston
Coyne, M. A. 3 t
100 N. B'way, Yonkers

Coyle, C. V. 3 t *Glen Ridge, N. J.*
Craig, C. R. 4 t *Whittier*
Craig, E. W. 3 b *3603 Broadway*
Craig, P. G. *ph* Livingston
Crandell, H. H. 1 b
Hempstead, L. I.
Crane, B. H. 3 t
172 Glenridge ave., Montclair
Crane, E. E. t *23 Locust, Flushing*
Crane, T. H. 4 *c* 616 W. 114
Crawford, Jr., L. W. *ph*
435 W 123
Crawley, G. E. 4 *s* 557 W. 124
Crecelius, F. W. 4 *s*
Creighton, E. 3 t *Whittier*
Crew, C. 3 *s* Hartley
Criado, R. F. 3 *c* 616 W. 116
Cronyn, G. W. 2 *c* 570 E. 140
Crooker, F. F. *gr t*
P. S. No. 6, Manhattan
Crooks, N. 3 t *416 W. 118*
Crosby, C. F. 2 b *502 E. 138*
Cross, B. A. 2 *l* Hartley
Croseman, H. L. 2 b
105 Clinton ave., Jamaica
Crouze, A. P. 2 *c* Bayside, L. I.
Crowell, M. B. 4 b
Richmond Hill, N. Y.
Cruden, G. 3 t
292 Garfield Pl., Bklyn.
Culman, C. W. 3 *c* 476 W. 143
Cunningham, E. B. 4 t *604 W. 157*
Curran, M. E. 3 b *207 W. 56*
Currier, H. J. 1 b *330 W. 28*
Curtis, C. D. *ph* 171 E. 83
Curtiss, E. E. 4 t *Whittier*
Cutler, Jr., C. W. 2 *c* 135 W. 76
Cutler, Jr., W. W. 3 *s*
902 West End ave.
Cutting, F. L. gr t *99 Java, Bklyn.*
Cutting, V. W. 4 *c* 417 W. 117

Dargan, A. H. ph *Whittier*
Dailey, F. A. 4 t
138 Engle, Englewood
Dalton, E. O. *phar* Hartley
Danehy, G. W. 3 *s*
1824 Anthony ave.
Danforth, C. R. 2 *c* 158 W. 86
Daniel, G. W. 2 *s* 441 W. 43
Daniels, C. W. 3 *s* Hartley
Daniels, M. E. 3 b *159 W. 83*
Daniels, M. H. 2 *s* 35 W. 111
Dann, M. E. 3 b
223 Berkeley ave., Bloomfield
Darby, W. L. *pl*
954 Boulevard, Astoria
Darlington, H. V. B. 2 *c*
80 S. 10, Bklyn.
Datar, A. N. *pl* Livingston
Davidow, L H. 1 *c* 55 W. 87
Davidson, M. E. S. 3 t *2728 B'way*
Davidson, W. B. 3 *c* 565 W. 113
Davies, T. *ph* 3 Chelsea Sq.
Davimos, H. 2 *c*
236 Harrison ave, Harrison, N. J.
Davis, A. pl *Whittier*
Davis, B. 4*c* 3134 Broadway
Davis, Miss D. W. ph *130 W. 104*
Davis, E. L. *f a* Livingston
Davis, E. M. *phar* 200 Broadway
Davis, F. R. 2 *s* 145 W. 58
Davis, H. F. 3 *s* Hartley
Davis, J. H. 2 *s* 530 W. 112
Davis, J. H. 4 t *136 E. 17*
Davis, M. G. 4 t *414 W. 118*
Davis, R. *pl* 700 Park ave.
Davis, R. W. 3 t *634 W. 138*
Davis, T. J. 2 *s*
700 West End ave.
Davis, W. H. *ph* 540 W. 145
Davis, W. W. *pl* Hartley
Dawkins, S. M. 2 *l* 94 Lawrence
Deacy, W. H. 3 *c*
Ossining-on-Hudson
Deacon, E. M. 1 b *507 W. 142*
Dean, H. A. 2 b *Brooks*
Dean, H. C. *f a* 12 W. 107
Debon, A. J. 1 *m* 100 W. 54
Debouy, C. K. 2 b *120 E. 53*
Decker, K. A. 4 t *435 W. 123*
Deevey, E. S. 2 *c* Livingston
de Garmenden, G. de C. 2 *c*
608 W. 113
Degavre, M. L. 1 *s* 558 W. 113
de Hierapolis, Jr., G. S. 2 *s*
356 W. 145
Deiser, N. A. 1 *s*
201 Keap, Bklyn.
de Jongh, A. F. 1 *s* 417 W. 117
Dellenbaugh, Jr., F. S. 2 *s*
627 W. 115
Demarest, I. C. 4 *c*
54 Essex, Hackensack
Demarest, M. C. 3 b *Nanuet, N. Y.*
Demcott, O. M. *pl* 700 Park ave.
Dement, L. W. 4 t *Whittier*
Demarest, W. J. 1 *s* 173 W. 93
Dempsey, J. A. V. 3 b
467 55, Bklyn
Denike, A. M. 1 b
22 Hamilton Terrace
Denison, I. N. 3 t *419 W. 121*
Denton, E. 4 t *371 W. 123*

DePasse, A. B. C. 1 *m* 506 E. 165
De Pew, P. H. 1 *nm c*
Nyack, N. Y.
Deschere, H. 2 *s* 334 W. 58
Deschere, P. R. 1 *s* 334 W. 58
Deutsch, H. A. 3 *s* 534 E. 87
Deusch, J. 3 t *69 First ave.*
Devendorf, F. C. 2 *m*
De Hilton, R. L. 2 *c* 258 W. 127
De Walsh, F. C. *ph* 606 W. 135
DeWitt, S. R. 4 *t*
Kingsbridge, N. Y.
Dexheimer, L. M. 4 t *521 W. 122*
Dhalla, M. V. *ph* Hartley
Diaz, M. 1 *s* 94 W. 104
Dice, C. A. *ph* Madison, N. J.
Dickey, A. V. 3 t
110 N. Fullerton ave., Mt. Clair
Dickinson, H. N. *ph*
195 Kingston ave., Bklyn.
Dier, A. A. 4 *s* Hartley
Dieterich, D. D. 1 b
49 Claremont ave.
Dieterich, F. H. 2 *m*
910 Cauldwell ave.
Dillon, A. J. *ph*
905 Garden, Hoboken
di Moise, G. B. 2 *s*
Dingwell, E. E. gr t *Whittier*
Distin, W. G. *f a* 276 W. 132
Dittmer, C. H. *f a* 520 W. 123
Dobbs, E. V. 3 t *523 W. 122*
Dodd, F. F. *pl* 15 Wadsworth ave.
Dodd, R. *ph* 175 Ninth ave.
Dodge, M. 1 b
185 Berkeley Pl., Bklyn.
Dodge, W. Earl *nm s* 99 John
Doernberg, W. S. 2 *l* 127 E. 95
Dolfinger, E. 4 t *Whittier*
Dole, H. P. *gr t* Hartley
Dollar, F. V. 4 t *Whittier*
Donaldson, K. H. 1 *s* 309 W. 85
Donnelly, J. E. 2 *m*
2790 Marion ave.
Donohoe III., D. 1 *s* 558 W. 113
Donohoe, J. A. *ph* 151 W. 84
Donohue, Jr., J. H. 4 *c* 84 Grove
Donovan, J. 1 *s* 304 E. 79
Doremus, M. B. 2 *c* 558 W. 113
Dorland, B. B. 3 t
627 Kearny ave., Arlington, N. J.
Dorland, H. E. 1 *s* 620 W. 116
Dorn, Jr., G. H. 2 *s* 1630 Ave. A.
Dorr, W. C. 1 *c*
201 Sackett, Bklyn.
Dorsey, E. R. 1 *l* Livingston
Dotey, A. I. *ph* 14 W. 127
Doty, K. S. pl *553 W. 141*
Doty, O. K. 4 *s* 553 W. 141
Dougherty, E. A. 2 *s* 244 W. 20
Dougherty, P. *pl* Hartley
Dow, F. B. 2 *l* Livingston
Downie, H. 3 t *Whittier*
Downs, F. G. 4 *s*
75 Fairview ave., Jersey City
Downs, I. R. 1 *c*
485 Decatur, Bklyn.
Downs, M. 2 b
75 Fairview ave., Jersey City
Dox, R. W. 2 *l* Hartley
Drain, D. D. 2 *l* Livingston
Dreyfuss, R. 2 *s* 201 W. 120
Driggs, K. H. *phar* Livingston
Driehaus, I. W. *gr t*
1120 Amsterdam ave.
Driggs, S. B. *nm c* 243 W. 102
Druding, M. D. C. 1 b *144 W. 104*
Dudley, L. E. 4 *m* 108 W. 64
Dudley, Ralph *f a* 417 W. 117
Dueñas, H. 2 *s* 11 Broadway
Duffield, E. T. *gr t* Hartley
Dullam, E. P. 4 t *Whittier*
Dunbar, A. A. 3 t *519 W. 121*
Dunbar, M. 3 t Dobbs Ferry, N. Y.
Duncan, A. 1 b *101 W. 85*
Duncan, McH. 2 *c*
Pelham Manor, N. Y.
Duncan, M. H. t *532 W. 112*
Dunham, S. R. *pl* Madison, N. J.
Dunlap, M. 4 t *Whittier*
Durant, D. 1 *s* 603 West End ave.
Duroe, V. E. 15 Kosciusko, Bklyn.
Dustin, E. G. 1 *m* 346 W. 57
Dwyer, C. E. 3 *c*
468 Riverside Drive
Dwyer, D. T. 1 b
601 West End ave.
Dwyer, E. A. 4 t
477 Eighth, Bklyn.
Dwyer, G. J. 1 *c*
468 Riverside Drive
Dye, T. M. 1 *l* Livingston

Eadie, A. R. 2 *c* 202 W. 74
Earhart, G. 4 t *430 W. 118*
Earl, A.M. 4 t *866 West End ave.*
Earle, T. 3 *s* 608 W. 113
Early, E. R. 1 *l* 520 W. 123
Eastman, H. W. 2 *l* Hartley
Eastman, M. M. 4 b *437 W. 123*
Eastman, W. 4 *c* Hartley
Easton, K. 3 *l* 18 Gramercy Park
Eatman, D. gr *t* 503 W. 121
Eaton, C. C. 4 t *206 W. 39*

Eaton, L. V. 1 b *Brooks*
Ebstone, H. A. *nm c*
551 Manhattan ave.
Echeverría, F. J. 3 *m* 248 W. 76
Eckmann, J. 3 *s* 460 Grand
Eddison, W. B. 1 *c*
Irvington, N. Y.
Eddy, E. S. 2 b
19 W. 34, Bayonne, N. J.
Eddy, W. H. *p* 161 W. 140
Edelblute, L. A. *pl* Chelsea Square
Edelman, S. *phar* 117 Ave. C
Edens, O. L. 3 t *Whittier*
Edgar, G. C. 1 *s* 71 W. 92
Edgcomb, O. B. pl *1 W. 68*
Edgell, F. D. *p*
665 Westminster Rd., Bklyn.
Edgerton, E. I. 4 *t* Hartley
Edmunds, A. G. ph *507 W. 138*
Edwards, A. S. 4 *t* Hartley
Edwards, M. J. 4 t *Whittier*
Egan, R. S. 1 *c* 46 W. 120
Egbert, G. P. 1 *c* 425 W. 146
Egbert, H. D. 2 *s* 425 W. 146
Egelson, L. I. *ph* 531 W. 123
Eggleston, M. K. 2 b *43 Central ave., Tompkinsville, N. Y.*
Egleston, L. H. 2 b *Brooks*
Ehnes, M. W. 156 Fifth ave.
Ehrenreich, S. 3 *m* 69 E. 101
Eichmann, M. 1 *c*
370 West, West Hoboken, N. J.
Eimer, C. B. 1 *c* 30 Irving pl.
Eimer, W. R. *phar* 30 Irving Pl.
Eisler, S. *m* 90 Lenox ave.
Elder, M. F. 2 b *317 W. 25*
Ellenwood, E. J. 2 *l* 205 Ross, Bklyn.
Elliott, C. H. *gr t* 411 W. 115
Elliott, E. D. B. 3 *m* 356 W. 57
Ellis, F. E. 2 *l* Livingston
Ellis, G. A. 3 *l* Livingston
Ellisson, E. J. 1 b
60 Prospect pl., Bklyn.
Elmore, R. B. *ph* 700 Park ave.
Elsasser, F. R. 2 *c* 302 W. 109
Elting, M. *114 E. 19*
Eltzner, D. 4 b
26 Central ave., Tompkinsville
Emerson, E. M. ph
632 Bedford ave., Bklyn.
Emery, J. J. 3 t *Whittier*
Emery, M. E. 2 b
36 Avon ave., Newark
Emery, Stephen, *p*
412 Welling, Richmond Hill
Emsheimer, H. 3 *m* Livingston
Englander, H. *s* 270 W. 118
Englehart, J. H. 2 *c* Madison ave. Hotel, 92 & Madison ave.
English, J. T. 3 *m* 133 W. 64
Enk, Florence F. 2 b *Brooks*
Enoin, M. pl *Whittier*
Entelmann, J. 1 *s*
333 Alexander ave.
Epstein, A. 2 *c*
729 Greene ave., Bklyn.
Epstein, B. 2 *c* 1065 Second ave.
Epstein, L. 3 *c*
792 Greene ave, Bklyn.
Epstein, M. 4 *c* 1065 Second ave.
Ercolano, M. 1 *s* 444 W. 124
Erickson, P. E. *pl* 700 Park ave.
Ernst, F. C. 3 b *152 W. 122*
Ernst, M. 1 *c* 152 W. 122
Erskine, R. S., 2 *c* 606 W. 113
Essig, F. T. 1 *m* 233 S. 7, Newark
Estee, R. G. 3 *s* 608 W. 113
Estrada, A. phar *37 W. 61*
Estrada, S. 2 *s*
Etheridge, P. H. ph *Whittier*
Etler, J. *phar* 85 Mulberry
Evans, E. R. 3 *m* 361 W. 56
Evans, J. H. 3 *m* Montclair, N. J.
Evans, M. 3 t *500 W. 121*
Evans, P. I. 4 t *515 W. 122*
Everett, E. G. 4 b *Suburban pl.*
Everson, A. E. 4 t *Whittier*
Ezekiel, B. 3 *s* 49 W. 85

Faas, C. T. 1 *s* 544 W. 113
Fairbairn, R. L. 2 *c*
249 McDonough, Bklyn.
Falk, H. C. 3 b *1364 Lexington ave.*
Falkowitz, H. C. 2 *m*
708 Ninth ave.
Fancher, E. M. 2 b *New Brighton*
Farnum, A. F. 4 t
65 Central Park West
Farr, Jr., T. W. Powers, 2 *s*
16 Lexington ave.
Farrell, C. D. 3 t
85 W. Grand, Rahway, N. J.
Farrell, J. R. 4 *m* 416 E. 158
Farrington, T. B. 3 s *614 W. 113*
Farwell, Earle, 3 *l* Hartley
Fauver, E. 3 *m* 346 W. 57
Feagin, A. 4 t *Whittier*
Fedter, B. *ph*
223 Bedford Park Boulevard
Feigenbaum, W. M. *pl*
538 Hart, Bklyn.
Feinberg, B. G. *p.* 500 W. 123
Feitel, N. H. *nm l* Hartley
Felbel, F. J. 1 *c* 42 W. 87

Feldman, J. W. 4 *m* 111 E. 106
Feldstein, George, 2 *m*
162 Ave. C, care M. Robinson
Fellows, H. C. gr t Whittier
Felter, R. I. 4 *s* 558 W. 113
Feltus, Z. 3 b 211 Clinton
Fenton, H. P. nm b Lowerre
Summit Park, Yonkers, N. Y.
Fenner, C. N. *p* Paterson, N. J.
Ferguson, J. 1 *s* 60 W. 46
Ferguson, W. E. 3 *s*
2343 Old Broadway
Fernandez, F. M. 4 *m* 69 W. 95
Ferns, E. 4 t 346 Union ave.,
Mt. Vernon, N. Y.
Ferrara, J. 1 *c* 142 Second ave.
Ferrari, R. A. *ph* 327 E. 116
Ferreira, A. V. 1 *c*
Prospect ave., Hackensack, N. J.
Ferrigan, M. S. 4 t 18 Jumel ter.
Ferrin, Miss F. A. 3 t 418 W. 118
Ferst, L. S. 2 *c* 1465 Fifth ave.
Fetzer, J. E. *nm l* Livingston
Feust, S. 2 *s* 462 E. 138
Fichaudler, A. *pl* 134 E. 101
Fiedler, Albert, 4 *s* 889 Greene ave.
Field, H. L. *ph* 608 W. 184
Field, N. C. 3 t 420 W. 121
Finkelstein, M. 1 *s* 349 E. 17
Finley, C. J. *nm c*
1580 Amsterdam ave.
Findeisen, William E. 3 *m*
223 Lenox rd., Bklyn.
Fine, G. B. 4 *c*
54 Pavonia ave., Arlington, N. J.
Firebaugh, B. H. 2 b 667 E. 163
Fish, J. B. *p* 423 Brook ave.
Fish, H. P. 4 *c* 31 W. 90
Fishel, D. E. 1 *c* 34 E. 76
Fisher, E. J. *pl* Hartley
Fisher, E. V. 4 t 190 Claremont ave.
Fisher, G. 4 t Whittier
Fitch, Geo. A. *ph* 700 Park ave.
Fitzpatrick, E. A. gr *t* 69 Pike
Flack, C. A. 4 b 265 Webster ave.,
New Rochelle, N. Y.
Flanagan, A. E. *f a* Hartley
Fleischer, E. *p* 468 12, Bklyn.
Fleischman, A. J. 1 *l* Livingston
Fleischmann, C. M. nm b
350 Manhattan ave.
Fleischman, L. S. 2 *c* 245 E. 48
Fleming, C. O. 2 b
50 E. 26, Bklyn.
Flexner, A. *ph* 66 E. 77
Flint, M. L. 2 b Wakefield
Floyd, C. H. 3 *l* Hartley
Flynn, O. R. *gr t*
Focht, M. ph Garden City, L. I.
Foeller, H. C. E. *nm s* 334 W. 47
Fogel, Jr., W. P. 1 *s* 413 W. 117
Folger, P. 2 *l* Livingston
Folsom, R. P. 4 *m* 328 W. 56
Fondiller, W. 3 *s* 182 Ninth ave.
Fonts, Jr., A. *f a* 210 W. 107
Fonts, H. 2 *s* 210 W. 107
Foote, E. W. 4 *t* 107 Macon, Bklyn.
Foote, H. 2 *s* 27 W. 46
Force, Jr., J. 1 *c* 505 W. 122
Ford, A. 3 *t* 17 W. 111
Ford, A. J. 1 *s*
Ford, J. S. 2 *m*
48½ Burnet, Newark, N. J.
Ford, W. A. 3 *s* 22 S. Broadway,
White Plains, N. Y.
Forman, E. B. 3 t Whittier
Forman, E. S. phar
178 N. 7, Newark
Forman, R. L. *pl* 60 Seventh ave.
Forssell, A. E. 3 t 6 Castleton
ave., West Brighton, S. I.
Fortinash, P. J. 3 *c* 2166 2d ave.
Fosdick, H. E. *pl* Montclair, N. J.
Foshay, J. R. 3 *m* 166 W. 65
Fossas, E. J. 2 *s* 524 W 124
Foster, W. E. *ph* 51 E. 97
Foster, W. W. 1 *c* 427 Prudential
Building, Newark, N. J.
Fowler, R. H. 3 *m* 60 E. 68
Fowler, Jr., R. L. 3 *c* 26 W. 10
Fowler, S. ph 420 W 118
Fox, E. F. 4 b
80 Joralemon, Bklyn.
Fox, H. R. 2 b 622 W. 152
Fox, I. J. 3 *c* 127 E. 79
Fox, J. D. 1 b 338 Warburton ave.,
Yonkers, N. Y.
Fox, K. A. 3 t 519 W. 124
Fox, O. A. *nm c* Livingston
Frachteuberg, L. J. *ph.*
Fraher, T. A. 4 *s* 254 W. 115
Frame, R. M. 2 b 27 So. 13 ave.,
Mt. Vernon, N. Y.
Frank, A. 3 *l* Livingston
Frank, C. D. *ph* Hartley
Frank, M. 1 *c* 402 E. 79
Franke, C. E. gr t
19 Hudson Terrace, Tarrytown
Franke, G. M. 2 b
Bound Brook, N. J.
Frankfort, N. H. 1 *c*
1233 39, Bklyn.
Franklin, A. M. ph Collegiate
School, Passaic, N. J.

Francis, C. L. 4 t *Whittier*
Fransioli, A. 3 b *Brooks*
Frapwell, A. *p* Morristown, N. J.
Fraser, L. 3 *c* 236 W. 70
Frechetts, M. O. 4 t *163 W. 129*
Freece, H. P. *pl* 156 Fifth ave.
Fredericks, W. 2 *s* 3 Lewis, Tompkinsville, S. I.
Freedman, L. 4 *t* 71 E. 109
Freeman, A. C. 2 *m* 365 W. 55
Frees, H. J. *f a* 612 E. 6
Frericks, E. V. 2 *c* 231 W. 115
Friedland, L. S. *ph* 22 E. 105
Friedman, I. 1 *c* 55 Osborn, Bklyn.
Friedman, M. 1 *s* 123 Henry
Friedson, M. 2 *m* 163 Stanton
Fries, J. F. 1 *c* 58a Madison, Bklyn.
Friess, L. L. 4 t *401 W. 117*
Frink, M. H. 3 b *124 W. 11*
Frink, R. M. 2 *l* Hartley
Frishe, H. 4 t *522 W. 123*
Frost, J. M. *ph* 79 Willett
Fuchs, H. H. *f a* 489 E. 141
Fuchs, S. A. *p* 129 W. 116
Fudji, Gilbert Jacques, *f a* 2224 Valentine ave.
Fueslein, V. A. 1 b *351 E. 77*
Fuess, H. L. *f a* Livingston
Fuhrman, H. C. 2 *m* 1247 Ocean ave., Bklyn.
Fuld, H. A. 2 *s* 168 W. 86
Fulda, H. C. 4 *m* 107 Kent, Bklyn.
Fulton, C. H. 3 *m* 155 Lockwood ave., New Rochelle, N. Y.
Furman, B. A. 2 *m* 65 S. 10th, Newark, N. J.
Furmansky, J. J. 1 *s* 227 S 2, Bklyn.
Furst, S. 4 *m* 1044 Morris ave.

Gabriel, B. A. 1 *l* Hotel Willard, W. 76
Gaebelein, P. W. 3 *s* 228 No. Fulton ave.
Gallatin, G. 3 *l* 444 Madison ave.
Galewski, A. 4 *t* 50 W. 119
Galt, S. E. 4 t *Whittier*
Galvin, W. A. 2 *c* 148 E. 55
Gambier, L. M. 3 t *351 Lexington ave.*
Gamble, E. 4 t *539 W. 142*
Gammon, S. M. 3 t *528 W. 123*
Gannon, T. A. 2 *c* 619 W. 113
Gans, L. S. 1 *c* 52 W. 71
Garabedian, H. B. *ph* 8 E. 108
Garabedian, M. D. 2 *c* 419 W. 122
Gardiner, C. L. nm b *10 W. 103*
Gardner, E. H. *ph* Livingston
Gardner, L. B. 2 *s* Hartley
Garlick, E. S. 3 t *34 Paterson ave., Paterson, N. J.*
Garnier, H. K. *ph* 175 Ninth ave.
Garrison, C. G. 4 t *545 W. 129*
Garvey, Jr., R. 1 *l* Waldorf-Astoria
Gascoyne, Jr., W. J. *nm s* 627 W. 115
Gatch, N. B. *c* Hartley
Gately, W. A. 1 *s* 125 E. 54
Gay, E. 3 b *205 W. 106*
Gay, K. 1 b *205 W. 106*
Gee, O. P. 1 *l* 246 W. 72
Geer, Jr., W. M. 3 *l* 60 W. 84
Geist, S. H. 4 *m* 340 E. 194
Gelb, L. 4 *m* 283 Stanton
Gelbach, M. ph. *189 Claremont ave.*
Gelder, R. W. 2 *s* 42 Broadway
Genin, M. 3 t *315 W. 83*
Gere, L. B. ph. *430 W. 118*
Gerig, J. L. ph Gerrish, W. C. *pl* Hartley
Gerritson, M. B. 3 t *Whittier*
Gerstein, R. 1 b *130 Manhattan ave., Bklyn.*
Gerstein, S. 1 *c* 130 Manhattan ave., Bklyn.
Gettler, A. O. 3 *s* 1475 Lexington ave.
Gianella, G. 3 t *608 Fifth, Bklyn.*
Gibson, L. H. 3 *c* 40 Bleecker, Newark, N. J.
Gibson, M. L. 2 b *203 W. 95*
Gibson, V. R., 2 *c* 8 Van Sice ave., Yonkers, N. Y.
Giegerich, A. N. 2 *c* 267 E. 7
Giehl, J. A. ph *207 Summer ave., Newark*
Gilbert, G. F. 4 *c* 1292 Amsterdam ave.
Gildersleeve, V. C. *ph.* 28 W. 48
Giegerich, Jr., L. A. *c* 267 E. 7
Gillespie, H. *pl* Madison, N. J.
Gillet, L. B. *ph* Hartley
Giltner, E. E. *gr t* 1288 Amsterdam ave.
Ginsberg, I. 1 *c* 965 Grant ave.
Girdner, P. M. 1 b *47 W. 71*
Giroux, L. M. 1 *s* Hotel Ansonia, 73d & Broadway
Gleason, E. 1 b *239 Decatur, Bklyn.*
Glen, H. R. 4 b *678 W. 114*

Glidden, M. M. 4 t
Pratt Institute, Bklyn.
Glorney, E. E. 2 *s.*
Glück, E. *ph* 1590 Amsterdam ave.
Glück, H. J. 2 *c* 53 Scholes, Bklyn.
Godfrey, L. B. 3 t.
Godley, M. F. 3 b Bayside, N. Y.
Goertner, R. pl 1225 Boston Road
Goetz, N. S. 2 *l* Hotel St. Lorenz
Gold, E. gr. *t* 16 W 117
Goldberg, G. 2 *c*
210 Lynch, Bklyn.
Goldberg, H. *ph* 263 W. 112
Goldberg, J. 3 b 125 W. 115
Goldberg, S. I. *p.* 167 E. 102
Goldberg, V. 2 *m* 2968 Briggs ave.
Goldblatt, H. M. 4 *c* 460 Grand
Golde, M. D. 4 b Brooks
Golden, H. 3 *c* 238 E. 53
Goldfarb, A. J. *p* 38 W. 116
Goldfarb, H. 2 *s* 1262 49, Bklyn.
Goldman, H. *f a*
83 St. Nicholas pl.
Goldrich, L. W. *pl*
946 St. Mark's ave., Bklyn.
Goldsmith, A. N. *p*
1163 Washington ave.
Goldsmith, I. E. 1 *c* 53 W. 89
Goldstein, H. S. 1 *c* 64 E. 93
Goldstein, M. M. 2 *s* 158 W. 118
Goldstein, R. A. 3 *c* Livingston
Goldstein, S. 2 *s* 267 W. 113
Goldstone, Jr., L. P. 1 *s*
401 W. 118
Goldwasser, D. gr *t* 141 W. 111
Gollomb, J. *ph* 126 E. 103
Golob, M. *phar* 328 E. 70
Goodfriend, H. 2 *m* 243 E. 72
Goodkind, M. 4 *c* 18 W. 112
Goodman, E. 4 *c* 106 W. 86
Goodman, S. L. 2 *c*
218 St. John's pl., Bklyn.
Goodspeed, G. C. ph
62 Columbia Heights, Bklyn.
Goodwin, E. ph. 225 W. 30
Goodwin, E. C. 2 *s* 417 W. 117
Goodwin, E. L. 3 b
2647 Broadway
Goodwin, G. M. 3 *c* 54 Richmond rd., Tompkinsville, S. I.
Goodwin, N. A. 1 *m* 225 W. 135
Gooldy, W. G. 3 *l* 526 W. 123
Gordon, A. M. 3 b 753 Jennings
Gordon, P. A. 2 *l* Hartley
Gorfinkle, J. I. *ph* 457 W. 123
Gossett, A. J. 3 *m* 209 W. 130
Gottlieb, A. 2 *m* 207 E. Broadway
Gottlieb, J. L. *f a*
1835 Madison ave.
Gottlieb, R. f a 1835 Madison ave.
Goudy, F. B. *p* 416 W. 118
Gould, J. 1 *c* 195 Broadway
Gould, K. 3 *s* 195 Broadway
Grace, R. V. 1 *m* 435 E. 141
Graef, E. A. f a 242 W. 116
Graham, H. R. 3 *s* 536 W. 114
Graham, S. P. ph 6 Howe ave., New Rochelle, N. Y.
Grant, A. A. 4 t 78 W. 55
Grant, A. 3 t 545 W. 123
Grant, A. C. 3 b 81 Buena Vista ave., Yonkers, N. Y.
Grant, E. 3 t 200 Claremont ave.
Grant, E. J. 3 *c* 6 E. 108
Grant, L. E. 3 *s* Livingston
Grassi, W. H. *c*
28 Edgecombe ave.
Gratigny, R. K. *p.*
Graves, A. C. 4 *m* 113 Water
Gray, C. 4 *s* 206 W. 119
Gray, C. ph 977 Lexington ave.
Gray, C. P. *nm l* Livingston
Gray, H. Y. 4 b
246 Fourteenth, Bklyn.
Gray, J. E. 3 *c,*
246 Fourteenth, Bklyn, N. Y.
Gray, J. H. 4 *m* 153 E. 86
Gray, J. W. 1 *m* 138 Clinton ave., Newark, N. J.
Gray, T. T. *nm s* 415 Morris ave, Elizabeth, N. J.
Green, E. M. 3 t 522 W. 123
Green, H. C. *pl*
Green, T. *ph* Livingston
Greenawalt, L. de F. 1 b Brooks
Greenberg, A. B. *f a* 5 E. 115
Greenberg, L. 4 *m* 1135 46, Bklyn.
Greenewald, R. J. 3 t
131 St. James Pl., Bklyn.
Greenough, W. E. 2 *s* 530 W. 123
Greenwood, D. G. 4 t Whittier
Greenwood, S. B. *phar*
389 Broad, Newark
Greer, F. ph
494 Washington ave., Bklyn.
Gref, W. H. 1 *s* 565 W. 113
Gregg, R. E. 3 t 176 W. 82
Gregory, L. H. p. Whittier
Greiff, L. J. 1 b 166 W. 79
Grendon, F. *ph* 3130 Broadway
Grewe, J. 2 *s* Hartley
Gries, J. M. *pl* 184 Eldridge
Griffen, E. B. 2 *s* 340 W. 90
Griffin, E. F. 4 *c* Livingston

Griffin, H. C. *p* Hartley
Griffin, P. F. 3 *c*
324 75, Bay Ridge, L. I.
Griffith, P. ph 190 Claremont ave.
Gross, H. I. *p*
93 Buffalo ave., Bklyn.
Grossbaum, L. 1 *c*
2646 Marion ave.
Grossman, J. B. 4 *c* 104 W. 115
Grover, I. A. 4 t
Gruenstein, F. nm b 60 W. 95
Guebin, L. ph Packer Collegiate Institute, Bklyn.
Guernsey, J. E. 3 t 500 W. 121
Guggenheim, 4 *c* 29 W. 76
Guiterman, K. S. 2 *s* Livingston
Guiteras, H. G. *s*
1 Livingston ave., Yonkers
Guiteras, J. G. 1 *s*
1 Livingston ave., Yonkers
Guiteras, J. R. 1 *s*
1 Livingston ave., Yonkers
Gulliver, H. G. 2 *c*
952 St. Nicholas ave.
Gunther, A. 2 *c* 351 Halsey, Bklyn.
Gunther, G. P. *f a*
Marion ave. & 201
Guthorn, S. 2 *s* 103 E. 123
Guthrie, W. B. *pl* C. C. N. Y.
Gutierrez de Celis, T. R. 1 *s*
102 E. 15
Gutman, M. 3 *c*
1070 Madison ave.
Guynm, E. H. *ph* Ridgefield, N. J.
Gwinn, R. 3 *l* 606 W. 113

Haake, C. H. G. 1 *m* 210 W. 109
Haas, E. 4 t 12 Prospect Dr., Yonkers, N. Y.
Haas, E. M. *nm l* 248 E. 7
Haas, G. C. O. *ph* 64 E. 7
Haber, I. 1 *c* 546 Angelique, West Hoboken, N. J.
Hackett, K. 4 t 419 W. 118
Hassler, L. H. ph Whittier
Hogemann, R. H. Jr., 4 *c*
288 Johnson
Hayman, Jacob *pl* Hartley
Hahn, R. 3 *c* Livingston
Haigh, C. S. 3 *s* 565 W. 113
Haight, A. C. *f a* Hartley
Haines, F. M. 2 *c*
50 Central Park W.
Haithwaite, C. 1 b
342 Ninth, Bklyn.
Hakes, M. 4 t 220 Riverside Dr.
Hakes, R. J. 1 b 220 Riverside Dr.
Halamka, LeR. M. *nm e* 418 E. 84
Hale, Jr., F. 3 *m* 356 W. 57
Hale, J. C. 1 *s* Livingston
Hall, A. E. 1 *s* 526 W. 122
Hall, B. K. *f a* Hartley
Hall, C. L. 4 *s* 419 W. 118
Hall, F. 1 *m* Livingston
Hall, H. E. 3 *s* 429 W. 117
Hall, H. M. *ph* 17 W. 63
Hall, T. 3 b 18 Summit ave., Mt. Vernon, N. Y.
Hall, W. P. *pl* 531 W. 113
Halley, W. M. *f a* 1014 E. 175
Hallock, E. M. 3 t
105 Court, Newark, N. J.
Hallock, F. A. p 36 E. 65
Hallock, F. B. 2 *s* 210 W. 133
Halpern, M. *pl* 27 W. 112
Halsey, R. P. 3 *c* Hartley
Halstead, H. H. *ph* 137 W. 104
Ham, E. O. *ph* 700 Park ave.
Hamburger, N. F. 2 b 151 W. 140
Hamburger, P. J. 1 *c* 230 W. 107
Hamann, A. M. 2 *s* 118 Urban, Mount Vernon, N. Y.
Hamel, G. 3 t 276 Broad, Newark, N. J.
Hamil, M. E. 3 b Brooks
Hamilton, E. L. t
190 Wadsworth ave.
Hamilton, J. L. *phar*
Hamilton, S. 2 *l* Englewood, N. J.
Hamm, F. P. 3 *t* Hartley
Hammond, H. O. 2 *s* 608 W. 113
Hauch, E. F. *ph* Livingston
Handelsman, S. 1 *c*
307-9 Wallabout, Bklyn.
Haner, C., Jr. 1 *s* 147 W. 105
Haney, J. D. *gr t* 416 W. 118
Hangarter, A. H. 4 *m*
200 Stagg, Bklyn.
Hanhausen, F. 2 *s* Hartley
Hanigan, H. A. 2 *s* 119 W. 70
Hanke, A. G. 2 3 *s* Livingston
Hanke, E. *ph* Hartley
Hankins, F. H. *pl* 624 W. 139
Hanley, K. V. 1 b 607 W. 116
Hannah, F. ph Poughkeepsie, N. Y.
Hansford, F. P. 3 t 215 E. 15
Hanson, G. C. 3 *c*
47 Rochester ave.
Harcourt, N. 4 t 151 W. 105
Harder, E. 1 b 607 W. 116
Harder, E. H. 1 *s*
154 N. 9th, Newark, N. J.
Hardwick, M. nm b Brooks
Hardy, H. E. ph Brooks

Hardy, R. G. 3 b
157 Willow, Bklyn.
Hare, R. I. 1 *l* 528 W. 123
Harlam, E. J. 4 *c* 611 W. 114
Harowitz, P. *f a*
106 Franklin, Bklyn.
Harper, J. H. Jr. 1 *s*
116 and Riverside Dr.
Harrington, G. A. gr t Whittier
Harrisson, M. E. 3 b Brooks
Harson, H. N. 3 *c* 329 W. 51
Hart, E. H. 1 *l*
377 Sterling Pl., Bklyn.
Hart, M. T. 1 b 618 W. 114
Hart, N. B. 2 *c*
222 Van Buren, Bklyn.
Hart, R. E. *f a* 356 W. 58
Hartman, H. V. *f a* 325 Hartley
Hartman, Lois K. gr t Whittier
Hartog, V. *s* 605 W. 113
Hartung, E. W. 1 *c* 774 E. 169
Hartwig, F. J. *f a*
724 Hudson, Hoboken, N. J.
Hartzell, A. M. C. 4 t Whittier
Harrat, F. T. *f a* 453 W. 155
Harrigan, M. 3 *t* Hartley
Harrington, Evalina, 4 t Whittier
Harris, D. B. 1 *c* 229 Bowery
Harris, J. J. 3 t Whittier
Harris, S. C. 4 t 511 W. 122
Harrison, A. 4 t Chatham, N. J.
Harrison, E. S. *ph*
1479 Dean, Bklyn.
Harrisson, L. *ph* 397 Gates, Bklyn.
Harvitt, H. J. ph
192 Hooper, Bklyn.
Haskell, A. 4 t Whittier
Haskell, J. ph 203 W. 108
Hassebrock, M. M. 4 t
357 Lenox ave.
Hastings, E. I. 3 b 119 E. 86
Hastings, W. H. Jr. 1 *c* 119 E. 86
Hathaway, G. B. *pl* 605 W. 115
Hanrahan, J. G. 3 *c* 352 W. 117
Hauser, G. D. *nm c* 14 E. 87
Hauser, T. O. 4 c 616 W. 114
Hawkins, A. C. 3 *t* Sewaren, N. J.
Hawley, G. *f a* Hartley
Haxby, R. V. L. *f a* 612 W. 115
Hay, W. W. 2 *l* 157 W. 123
Hayes, A. G. 4 t Whittier
Hayes, F. A. 3 *s Hartley*
Hayes, F. H. Jr. 2 *s*
772 St. Nicholas ave.
Hayes, M. E. 4 t 4 Manhattan ave.
Haynes, A. F. gr. t 126 Palisade ave., Englewood, N. J.
Hays, B. R. 1 b 9 W. 121
Hayward, A. S. *ph* 412 Ninth ave.
Hayward, V. S. 4 *m* 531 W. 179
Hazzard, L. F. 1 *s* Livingston
Healy, F. M. 4 t
20 Hampton Pl., Bklyn.
Healy, T. F. 2 *c* 141 W. 90
Heaphy, G. M. 4 t 256 W. 108
Heard, W. S. 2 *c* Hartley
Heaton, D. R. P. 3 *m* 25 W. 36
Heatwole, C. J. 4 *t* 423 W. 118
Hebberd, E. A. 3 b
1040 79 Bklyn.
Hecker, J. H. *phar* 329 E. 87
Hedges, A. 4 t 402 W. 124
Hedges, J. S. 1 *c* 272 W. 86
Hedley, H. W. 3 b
2768 Morris ave.
Hehre, F. W. 4 *s*
105 Manhattan ave.
Heidelberger, M. 3 *c* 38 W. 93
Heiden, I. F. 1 b 118 E. 74
Heidenreich, W. L. 3 *s*
63 Turner pl., Bklyn.
Heidgerd, H. W. 1 *l* 142 W. 122
Heim, L. 4 b 143 W. 119
Heimann, E. nm b 315 W. 105
Heinick, F. R. 2 *l*
164 Manhattan ave.
Heller, E. 2 b 21 W. 90
Heller, M. E. 3 t Whittier
Heller, W. T. *gr t*
1758 Madison ave.
Hellin, E. B. 3 b 9 Columbus ave.
Hellin, L. ph 9 Columbus ave.
Helmrich, E. W. 4 b
New Rochelle, N. Y.
Helmrich, G. L. 3 *s*
Henderson, E. M. 4 t
285 St. Nicholas ave.
Henderson, G. 2 b
Eastern Blvd., Westchester
Henderson, G. H. Jr. 2 *c*
116 st. & Riverside Drive
Henderson, N. 4 t 27 E. 65
Henderson, N. 3 t 415 W. 57
Hendrian, A. W. *t* 153 E. 86
Hendricks, E. ph 18 E. 80
Henes, E., Jr. *m* 128 E. 93
Henes, H. W. 3 *s* 128 E. 93
Hendricks, W. A. *ph* 700 Park ave.
Henriques, M. C. *p* 476 W. 141
Henry D. 1 b Yonkers, N. Y.
Henry, J. M. *ph* 700 Park ave.
Herbermann, C. G. Jr. 4 *m*
346 Convent ave.
Herbert, W. D. 1 *s* 434 W. 22

Herman, M. M. 1 *l* Livingston
Herrick, H. T. *s* 310 W. 95
Herrig, A. B. 4 t *521 W. 122*
Herrmann, A. 4 *c* 234 E. 72
Herrmann, A. L. 1 b
1224 Union ave.
Herrmann, M. T. 2 b *112 E. 65*
Herrmann, H. 3 t *58 E. 124*
Herrmann, S. ph *147 W. 103*
Hershenstein, C. 3 *c* Livingston
Hershenstein, S. *nm c* Livingston
Hershfield, A. L. 4 b *159 E. 64*
Hershkopf, B. 2 *l* 36 Attorney
Herter, A. H. 1 *s*
1741 Topping ave.
Herts, B. R. 4 *c* 69 W. 89
Herts, H. H. 3 *c*
Rockingham, 56 st. & Broadway
Hertzog, H. S. 1 *s* 510 W. 146
Hertzog, W. S. *pl* 510 W. 146
Herzfeld, M. G. 1 *m* 210 W. 128
Herzog, D. S. 2 *s*
772 St. Nicholas ave.
Hess, B. M. 3 t *530 W. 123*
Hess, M. H. 4 *c* 244 W. 85
Hess, W. L. *gr t*
344 Lafayette ave., Bklyn.
Hetzel, J. F. 3 t *Whittier*
Heumann, E. M. 2 *s* 251 W. 137
Heuermann, H. F. ph *101 Beach*
Stapleton, S. I.
Hevesh, J. *ph* 531 W. 123
Hewitt, R. H. 3 *m* 129 W. 64
Heydecker, W. D. 1 *c*
137 Franklin ave., Mt. Vernon
Heynich, R. O. *ph* 714 Lincoln Pl., Bklyn.
Heyward, N. B. 1 *m*
Hickenlooper, G. *f a* Livingston
Hicks, C. S. 1 *s* 217 Livingston
Higbie, E. D. 2 *s* 158 W. 76
Higgins, E. *p* Livingston
Higgins, F. A. 4 *c* 415 W. 146
Hildreth, W. W. 2 *m* 22 W. 60
Hill, A. D. 2 b *537 W. 121*
Hill, A. T. 1 b *783 Greene ave., Bklyn.*
Hill, D. 2 *c* 323 W. 87
Hill, J. F. 1 *m* 153 W. 61
Hill, L. B. *gr t* Livingston
Hill, L. O. 1 *s* 64 W. 88
Hill, J. W. 1 *c*
268 Stuyvesant ave., Bklyn.
Hill, W. C. 1 *s* 984 Trinity ave.
Hillman, J. A. 1 *c* 134 E. 19
Hinck, C. F., Jr. 3 *c* 565 W. 113
Hinkel, Edw. J. 2 *s* 329 E. 68
Hinman, Edward, Jr. 2 *c*
Riverside Dr. and 116
Hinshelwood, M. 3 t
Hirata, A. *l* 2036 Fifth ave.
Hirsch, C. M. 1 *s* 445 W. 162
Hirsch, G. J. 1 *l* 1361 Madison ave.
Hirschensohn, E. ph
322 Park ave., Hoboken, N. J.
Hirschensohn, N. *ph*
322 Park ave., Hoboken, N. J.
Hirsdansky, S. *gr t* 1028 Faile
Hirsh, A. *ph* 531-5 W. 123
Hirsh, M. 1 b 25 W. 87
Hirsh, R. T. 2 *s* 161 W. 76
Hitchcock, C. D. 4 t *Whittier*
Hoag, J. A. 3 *s* 558 W. 113
Hoag, L. H. *f a* Bronxwood
Park, Williamsbridge, N Y.
Hoass, C. T. Jr., 1 *s* 308 W. 93
Hobbs, A. L. 1 *m* 28 Evergreen Pl., East Orange, N. J.
Hochberger, Julius 1 *s*
472 Central Park West
Hochberger, O. 2 *c*
472 Central Park West
Hochheimer, H. A. 4 t
1311 Madison ave.
Hochstadter, I. 3 *s* 216 W. 139
Hochheimer, R. 3 b
1311 Madison ave.
Hoage, C. W. *nm b* *316 W. 108*
Hodge, C. M. nm b *316 W. 108*
Hodge, H. L. 4 t *Whittier*
Hodgetts, A. S. ph
190 Van Alst ave., L. I. City
Hodgkinson, H. H. 2 *s* 608 W. 113
Hodsdon, E. W. 3 b
190 Harrison ave., Jersey City
Hoermann, M. 3 b
1208 Bloomfield, Hoboken, N. J.
Hoffmann, I. N. *pl* 136 W. 16
Hoffman, J. M. 1 *s* 120 E. 28
Hofheimer, A. 3 *m* 313 W. 106
Holbrook, C. H. *ph* 700 Park ave.
Holbrook, N. 1 *c* 554 W. 142
Halcomb, C. H. Jr., 2 *s*
Yale Club, W. 42
Holderer, G. B. 3 *s* Livingston
Hollenbeck, J. S. *nm c* Hartley
Hollister, E. M. 4 t *Whittier*
Hollister, S. T. 4 *c* 61 E. 91
Holm, A. S. 3 b *The Westminster, Perth Amboy, N. J.*
Holmgren, A. nm b *Brooks*
Holman, A. J. 1 *s* 1364 Teller ave.
Holman, B. F. 3 t *Whittier*
Holt, C. M. p *Whittier*

Holtzoff, A. 4 *c* 2577 Eighth ave.
Hooper, M. L. 3 t Whittier
Holsleg, C. J. 4 *s*
225 N. James, Peekskill, N. Y.
Holzman, B. 2 b *32 Ave. C.*
Holzwasser, F. 1 b *215 W. 135*
Holzworth, J. M. 2 *c* 505 W. 122
Honda, M. *ph* 463 Manhattan ave.
Hopping, A. T. 1 *l* *532 W. 114*
Hopkins, M. A. ph *58 W. 104*
Hopewell, F. I. 2 b
532 Broadway, Flushing, L. I.
Hopewell, S. L. 2 b
532 Broadway, Flushing, L. I.
Hopping, H. H. 3 *c* 532 W. 114
Horne, E. R. 4 t
Horowitz, B. 1 *s* 74 E. 114
Hoster, M. T. 4 *s* 40 Prospect Terrace, E. Rutherford, N. J.
House, H. D. *p*
Botanical Garden, Bronx Park
House, J. W. Jr. 1 *l* Livingston
Houston, A. 2 *l* 417 W. 117
Houston, J. F. 4 t
32 Ward, Orange, N. J.
Hover, D. L. C. 2 *s* 1 Teasdale Pl.
Howe, C. H. 3 *s* 100 W. 118
Howe, H. B. *pl* 700 Park ave.
Howe, W. E. *ph* 175 Ninth ave.
Howard, F. L. 4 t *Whittier*
Howard, I. M. 3 t *Whittier*
Howell, J. V. 1 *c*
507 Manhattan ave.
Howell, R. 3 *l* 2030 Broadway
Howland, Geo. F. 3 *t* 40 W. 129
Hoykendorf, K. *nm s*
2340 Seventh ave.
Hoyns, G. W. 4 *s* 607 W. 113
Hoyt, H. L. Jr. 2 *s* 9 W. 32
Hoyt, H. S. 2 b *Nutley, N. J.*
Hoyt, N. S. 4 *c*
Hotel Regent, 70 St. & B'way.
Hoyt, R. E. 2 *m* 15 Gramercy Park
Hoyt, S. F. ph *17 E. 95*
Hsü, S. C. C. 1 *s* Livingston
Hubbard, E. W. 1 *s*
597 Madison, Bklyn.
Hubbard, J. F. W. 3 b
Harrison, Bloomfield, N. J.
Hubbard, M. B. 4 t *Whittier*
Hubbard, R. H. 1 *m* 138 W. 74
Hubbard, T. B. 2 *m* 25 W. 65
Hubbell, A. H. 4 *s*
485 Marlborough Rd., Bklyn.
Hubbell, L. B. ph *48 W. 82*
Huber, J. C. Jr. *f a* 557 W. 124
Hudson, C. A. 1 *c* 1 E. 76
Hudson, C. E. 3 t
157 Franklin, Astoria, L. I.
Hudson, H. K. 4 *s* 627 W. 115
Hufeland, E. 4 t
121 N. High, Mt. Vernon, N. Y.
Hufeland, M. F. 4 t
121 N High, Mt. Vernon, N. Y.
Hughes, H. D. *f a* Hartley
Hulst, Y. D. *pl* 700 Park ave.
Humann, O. V. *4 t* 26 W. 22
Hume, H. G. 3 *s* Livingston
Humphrey, J. A. 4 t *Whittier*
Humfeld, E. W. 4 t *507 W. 124*
Humphreys, G. H. 4 *m* 78 W. 85
Hunsdon, E. C. 4 b *43 Liberty ave., New Rochelle, N. Y.*
Hunt, A. P. *ph* 1 Chelsea Square
Hunt, C. W. Jr. 3 *c* 171 W. 88
Hunt, J. Jay 4 *m* 402 W. 58
Hunter, G. C. *pl* 700 Park ave.
Hunter, G. L. 2 b *Brooks*
Huntington, S. D. gr t *419 W. 118*
Huntzicker, F. J. 3 *s* 605 W. 113
Hurley, M. L. 4 *s* Hotel Belmont
Hutchins, A. P. 3 t *515 W. 111*
Hutchinson, E. J. pl
287 Carroll, Bklyn.
Hutchinson, G. E. 3 *s* 51 W. 95
Huth, C. F., Jr. *pl* 557 W. 124
Huttlinger, C. F. 2 *c*
771 Carroll, Bklyn.
Huttmann, M. A. pl *417 W. 118*
Huyler, C. D. *nm s* 301 W. 72
Hyde, B. E. 4 t *Whittier*
Hyde, C. E. 3 *m* *Hartley*
Hyde, J. E. *p* 521 W. 121
Hyde, M. G. f a
212 Garfield Pl., Bklyn.
Hyman, J. 1 *c* 310 Madison
Hyman, M. 3 *l* 111 E. 81
Hyman, S. L. *f a* 611 Livingson

Ichinose, G. *pl* 41 E. 19
Ihlseng, O. K. 1 b *541 W. 124*
Ill, E. A. 2 *m* 350 W. 71
Inagaki, Y. *pl* 175 Ninth ave.
Ingalls, F. M. 3 b *153 W. 80*
Ingalls, H. A. 4 t *Whittier*
Ingle, J. W. Jr. *f a* 537 W. 149
Ingraham, O. *pl*
444 Clinton ave., Bklyn.
Intemann, A. C. 1 *l* 27 Bank
Ioki, T. *pl* 64 E. 133
Ireland, E. W. 4 *t*
513 7 St., College Pt., L. I.
Irving, S. 3 t *921 St. Nicholas ave.*

Isham, A. F. *ph* Livingston
Isaacs, C. A. *p* Livingston
Isaacs, S. S. 3 *l* 51 E. 96
Iseman, P. R. 1 *s* 115 W. 131
Ishimura, S. *ph* 60 Wall
Itakura, T. *nm l* 516 W. 122
Ivimey, E. M. 3 b
3089 Decatur ave.
Ivimey, M. R. 2 b
3089 Decatur ave.
Ives, F. L. 2 *s* 117 E. 30
Ives, P. ph *43 W. 69*

Jabine, W. 1 *l*
9 Morris Crescent, Yonkers
Jackson, A. M. 3 t *222 E. 115*
Jackson, E. H. 4 t *522 W. 123*
Jackson, G. G. Jr. 1 *s* 255 W. 97
Jackson, G. L. *gr t* 419 W. 117
Jackson, J. A., Jr. 2 *m* 23 W. 65
Jackson, L. 2 *l* 148 W. 125
Jacobson, S. L. 4 t *602 W. 135*
Jackson, V. 1 b *966 E. 167*
Jacobs, L. *ph* 28 Second Pl., Bklyn.
Jacobs, P. P. *pl* Madison, N. J.
Jaggard, A. G. 3 b
575 Bedford ave., Bklyn.
Jabelka, R. *f a* Elmhurst, L. I.
Jahn, G. A. 3 *s*
1926 Albermarle Rd., Bklyn.
James, R. T. ph *417 W. 118*
Jansen, F. C. 1 *s* 544 W. 115
Jansen, W. 4 *t* 2233 Belmont ave.
Janvrin, E. R. P. 3 *m*
191 Madison ave.
Jaques, G. W. Jr. 4 *c*
112 W. Jersey, Elizabeth, N. J.
Jaques, M. V. 2 b
112 W. Jersey, Elizabeth, N. J.
Jaques, W. S. 1 *s* 558 W. 113
Jaros, A. L. Jr. 1 *s* 2345 B'way.
Jeanneret, L. E. 1 *s*
60 Everett Pl., Rutherford, N. J.
Jefferson, I. D. 4 t *510 W. 135*
Jeidell, H. 4 b *Brooks*
Jenkins, H. B. 1 *s*
282 Manhattan ave.
Jenkins, R. C. *c* 300 W. 109
Jenner, W. A. *t* 511 W. 122
Jenney, B. 4 t 378 West End ave.
Jennings, C. M. p *503 W. 121*
Jennings, E. A. 1 *m* 346 W. 57
Jennings, R. C. *phar*
292 Springfield ave., Summit
Jessup, D. W. 3 *s* 413 W. 117
Jessup, H. F. 3 t *522 W. 123*
Jewell, I. E. gr t *431 W. 121*
Jinishian, A. J. 4 *t* 151 W. 117
Joerg, A. N. 2 *c*
531 Beech, Richmond Hill
Johnson, A. H. ph *511 W. 122*
Johnson, A. L. *gr t*
205 Miln, Crawford, N. J.
Johnson, E. F. 3 t *Whittier*
Johnson, F. *f a*
Upper Montclair, 450 Park
Johnson, H., Jr. *f a* Hartley
Johnson, L. A. *t*
223 Lincoln Pl., Bklyn.
Johnson, L. E. 1 b *460 W. 152*
Johnson, M. H. 4 t *Whittier*
Johnson, P. D. 3 b *120 W. 11*
Johnson, T. J. A. 4 *m* 203 W. 33
Johnson, W. A. *p*
157 N. Seventh, Newark, N. J.
Johnson, W. C. 3 *m* 231 W. 69
Johnston, M. A. 1 b
774 West End ave.
Joiner, F. I. 1 b *469 W. 152*
Jollon, A. J. 2 *l*
125 Vernon ave., Bklyn.
Jones, A. M. 4 t *Whittier*
Jones, C. R. 3 *c* Livingston
Jones, E. 2 *l* 222 Madison ave.
Jones, E. C. 4 *s*
Riverside Drive & 116
Jones, G. G. 1 *m* 157 W. 81
Jones, J. D. 2 *c* 881 Third ave.
Jones, L. M. 4 *s* 143 W. 129
Jones, M. E. 4 t
23 Hill, Newark, N. J.
Jones, M. M. 4 t *500 W. 121*
Jones, S. M. 3 t *Whittier*
Jones, W. B. 2 *s* 404 E. 141
Jones, W. F. *gr t* 235 W. 132
Jordan, C. P. 2 *s*
302 Central Park, W.
Josephi, E. 3 b *321 Riverside Dr.*
Josey, E. B. 2 *l* Livingston
Jouard, F. L. *p* 221 W. 49
Joyce, W. L. *nm c* Livingston
Judd, E. F. 3 *t* Livingston
Judson, L. 2 *l* 731 Elton ave.

Kahle, H. *f a* 612 W. 116
Kahn, L. ph *24 St. Marks Pl.*
Kandel, C. 1 *s* 22 First ave.
Kantor, J. L. 3 *c* 492 E. 142
Karnopp, C. F. *pl* *3 W. 29*
Karr, G. *gr t*
1120 Amsterdam ave.
Katibah, S. I. *phar* 24 Rector
Katz, E. J. 3 *c* *249 E. 68*

Katzenstein, C. J. 1 *l*
14 Morningside ave.
Kaufman, J. H. 3 b *1 W. 94*
Kaufmann, H. L. nm b *46 E. 83*
Kayser, C. E. 3 *c* *71 E. 87*
Kayser, R. B. 1 *c* 137 W. 94
Keagey, E. ph *137 W. 111*
Keating, W. V. 4 *t*
258 Franklin ave., Bklyn.
Keator, R. M. 2 *s*
543 Madison ave.
Keller, J. J. gr t *1328 Chisholm*
Kelley, W. E. 1 *l*
116 & Seventh ave.
Kellogg, W. A. Jr. 4 *c* 104 W. 58
Kells, L. C. 2 *l*
Kellsey, J. D. 3 t *Englewood, N. J.*
Kelly, E. E. 3 *c*
1088 Lafayette ave., Bklyn.
Kelly, K. H. 4 t *Whittier*
Kemp, N. C. B. *pl* Livingston
Kelly, M. S. 4 t *147 W. 126*
Kemble, D. E. phar
381 Madison, Bklyn.
Kempf, E. M. 3 t
114 Park ave., Newark, N. J.
Kempton, E. M. 1 b *Yonkers*
Kendall, E. C. 4 *s* 531 W. 113
Kendler, J. 3 *l* 5 E. 105
Kemna, C. 3 t *Larchmont, N. Y.*
Kennedy, C. F. 3 *c* 302 E. 88
Kennedy, F. W. 3 *s*
758 Ave. A., Bayonne
Kennedy, M. M. *ph* 313 W. 23
Kennedy, W. W. 2 *s* 15 W. 73
Kenney, M. F. 3 b
358 E. 2d, Plainfield
Kent, A. R. *gr t* Madison, N. J.
Kenyon, H. R. *f a* *295 E. 8*
Kerley, J. H. 3 *c*
350 Lafayette ave., Bklyn.
Kernan, C. W. 1 *l* Hartley
Kerner, A. M. 4 b
27 Woodlawn ave., Jersey City
Kerr, L. 3 b *103 and Broadway*
Ketchum, R. S. 1 *c*
667 Teasdale Pl.
Keyser, H. J. *ph* Chelsea Sq.
Kibbe, W. J. *ph* 5 W. 125
Kiendl, T. Jr. 2 *c*
105 Pennsylvania ave., Bklyn.
Kimball, R. 3 t
521 N. Broad, Elizabeth, N. J.
Kimbel, W. A. 3 *c* 320 W. 104
Kimura, T. *p*
King, C. B. 3 *l* 521 W. 122
King, E. M. C. f a *69 W. 94*
King, M. B. 3 b *798 Valley Rd., Upper Montclair*
King, M. H. 3 t
1249 Amsterdam ave.
King, O. J. 1 b *69 W. 94*
King, T. E. 1 *s* 605 W. 113
Kingsbury, A. P. *nm t* *413 W. 46*
Kingsbury, E. J. *phar*
122 W. Main, Little Falls
Kingsbury, 4 *t* Hartley
Kingsbury, L. C. 4 t *430 W. 122*
Kilmer, A. J. 4 *c* 558 W. 113
Kilpatrick, W. H. *gr t* Livingston
Kiroe, Edwin *pl* 364 W. 118
Kinney, W. 1 *c* 19 W. 54
Kinsman, R. E. 1*s* 348 W. 87
Kirby, R. T. 2 *c*
54 Morningside Drive, W.
Kirby, V. R. 4 t *Whittier*
Kirchberger, E. 4 t *186 W. 135*
Kirchwey, D. B. 2 b
908 St. Nicholas ave.
Kirkley, F. 3 t *Whittier*
Kirschberg, M. 1 *s* 30 W. 128
Kirtley, L. L. 4 *s* Livingston
Kiser, F. G. 4 *c*
128 Bloomfield ave., Newark
Kislowsky, A. D. 1 *s* 5 W. 125
Kistler, L. G. 3 *c* 429 W. 17
Kitson, H. W. 3 *s* 202 W. 74
Klapper, Paul, *pl*
386 St. Nicholas ave.
Kleeberg, Gordon S. P. *pl*
3 Riverside Drive
Klein, C. L. 4 *t* 3602 Third ave.
Klein, E. 262 W. 131
Klein, L. 2 *c* 105 W. 136
Klein, L. 2 *c* 57 Seventh
Klein, M. I. 4 b *Floral Park, L. I.*
Klein, W. *f a*
214 33, Woodcliff, N. J.
Kleinberg, S. 4 *m*
43 Humboldt, Bklyn.
Klepetko, E. 2 *c*
302 Central Park W.
Klepper, N. R. 1 *l* Livingston
Kloster, V. E. 3 b
215 St. John's Pl., Bklyn.
Klugescheid, R. C. 1 *c* 170 W. 89
Knapp, E. S. 4 t *Yonkers*
Knapp, G. A. *f a* 401 W. 117
Knapp, H. O. 3 *s* 35 W. 75
Knapp, R. P. 1 *m*
Ninth and Sixth aves.
Kneisly, G. W. *p* 619 W. 113
Knickerbocker, W. E. *ph* 23 W. 129
Kniffin, H. R. *f a* 241 W. 109

Knight, J. J. *f a* 607 W. 113
Knight, N. f a *135 W. 142*
Kobbé, F. W. 1 *l* 142 E. 18
Knobloch, E. 3 *s* Englewood, N. J.
Koeberlin, F. R. *p* Livingston
Koehler, B. K. 3 t
84 Kip ave., Rutherford, N. J.
Koenig, L. 1 *c* 80 W. 12
Kohlberg, H. S. 3 *s* Hartley
Kohler, F. D. 2 *c* 616 W. 114
Kohn, L. ph *1138 Madison ave.*
Koken, W. T. 3 *s*
936 West End ave.
Koller, M. A. 1 *s*
1648 Amsterdam ave.
Koo, V. K. W. 3 *c* Hartley
Korey, A. J. *gr t* 1712 78, Bklyn.
Korn, A. R. *pl* 45 E. 74
Korn, H. *pl* 45 E. 74
Korn, S. S. 1 *c* 238 E. 68
Kozminsky, L. M. 3 *s* Livingston
Kraft, Jr., P. 2 *c* 919 Ogden ave.
Kraft, W. J. *f a*
Mamaroneck, N. Y.
Kramer, I. G. 4 *m* 127 W. 117
Kranz, J. P. *pl* 184 Eldridge
Krapf, E. F. *phar*
1227 Madison ave.
Kraus, A. 4 *s* 508 E. 89
Krauss, F. I. 3 *m*
Washington Pl., E. Orange
Kreiner, L. M. 4 t
224 Broad, Newark
Krenning, E. A. ph *Whittier*
Krinsky, M. L. 1 *c*
309 Bushwick ave., Bklyn.
Krivulin, H. A. 3 *s* 75 E. 120
Kröger, H. A. 3 *s* Spuyten Duyvil
Kroeger, H. B. 2 *c* 228 E. 79
Kronberg, K. J. 1 b
29 Lenox ave., White Plains, N. Y.
Kronman, D. E. 2 *c* 51 W. 114
Kropff, A. H. *p* 136 W. 119
Kudlich, B. R. 3 *c* 153 W. 21
Kudlich, Jr., H. F. 3 *s* 153 W. 21
Kuesel, A. E. 4 t
288 Carroll, Bklyn.
Kugel, A. *f a*
818 Hewitt Pl. (Bronx)
Kugler, A. A. 1 b *441 E. 134*
Kuhlman, H. W. *ph*
Hempstead, L. I.
Kuhn, S. O. 1 *c* 221 E. 123
Kunstler, M. B. 1 *c* 204 W. 136
Kumamoto, S. *pl* Hartley
Kupfer, V. B. 3 b
92 and Madison ave.
Kurtz, A. E. p *E. Stroudsburg, Pa.*
Kurtz, A. T. 3 t
54 Morningside ave.
Kuschke, C. *p* Hartley
Kuser, P. D. *nm s* 441 E. 57
Kutscher, S. 3 *m*
100 Broad, Stapleton, S. I.
Kuzmier, G. P. 1 *s* 106 E. 56

Lacy, F. T. 1 *s* 411 W. 115
Laing, J. A. 3 *l* Hartley
Lambuth, D. K. *ph* 529 W. 123
Lamke, D. H. 4 *s*
35 Pineapple, Bklyn.
Lamont, F. C. ph *Englewood, N. J.*
Lancer, J. J. 3 *m*
1336 Washington ave.
Landon, S. L. 2 *s* 19 E. 53
Landsman, S. 4 *s* 445 W. 40
Lane, B. E. pl *435 W. 123*
Lang, J. T. *f a* 53 Charlton
Langmann, O. F. *f a* 121 W. 57
Langstaff, B. M. 1 *m*
19 Seventh ave., Bklyn.
Langworthy, H. T. 1 *m* 346 W. 57
Langer, W. 2 *c* Livingston
Lapolla, G. M. 2 *c* 178 E. 114
Large, D. L. nm b *Brooks*
Laroque, F. 1 *s* Livingston
Larter, H. M. 4 t *Whittier*
Lasch, J. S. 1 *s* 77 E. 109
Lasher, D. McM 1 *c*
382 Warburton ave., Yonkers
Latham, W. E. 2 *l* 510 W. 124
Latham, E. B. *nm s*
135 and Riverside Drive
Latham, H. S. 3 *c*
17 Pleasant Pl., Arlington, N. J.
Latham, M. L. p *Whittier*
Latourette, J. R. 1 *l* Hartley
Lattin, C. P. 1 *c*
Lowerre Summit, Yonkers
Lau, R. F. 4 *c* 650 Leonard, Bklyn.
Lauery, M. A. 1 *l*
174 Grand, Jersey City
Lauderburn, F. C. *gr t*
175 Mott ave.
Laurence, E. E. 2 b
535 Union ave., Bronx
Laurent, H. P. 2 *s* 151 W. 95
La Vake, R. T. 3 *m* 319 W. 103
Lavandera, M. 3 *m* 52 W. 65
Lawrence, L. M. ph *609 W. 135*
Lawson, G. P. 3 t *527 W. 124*
Leach, A. A., Jr. 1 *s*
418 Dean, Bklyn.
Leaning, E. H. 4 *s* Livingston

Leary, Jr., D. 3 *c* 225 W. 120
Leavenworth, E. W. 3 *l* Livingston
Leavenworth, K. E. 3 t *Brooks*
Leavitt, C. M. ph *Whittier*
Lebendig, A. 2 *m*
Leber, O. H. 4 *m*
928 Bloomfield, Hoboken
Lebowich, L. *gr t* 1486 Fifth ave.
Lee, A. 3 t *Whittier*
Levy, Arthur M. *nm c* 614 W. 113
Lee, E. C. nm b *Whittier*
Lee, E. F. *pl* 494 Elton, Bklyn.
Lee, E. H. 3 *t* 26 W. 140
Lee, F. M. 3 t *Mamaroneck, N. Y.*
Lee, M. L. 2 *s* Hartley
Lee, M. T. p *378 Third, Bklyn.*
Lee, O. 3 b *420 W. 121*
Leerburger, B. 3 b *306 W. 99*
Leggett, A. L. 3 t
49 Warren, Bklyn.
Leiby, E. V. 4 t *Whittier*
Leiser, Jr., F. 1 *s*
682 Harman, Bklyn.
Leland, A. P. ph
Morningside ave. W. and 118
Leland, F. ph *943 Lexington ave.*
Lennon, M. A. 4 t *Whittier*
Lemowitz, N. H. *pl* 38 W. 113
Lent, J. R. 2 *c* 47 Claremont ave.
Leo, J. 1 b
91 Ashburton ave., Yonkers
Leonard, C. W. 3 t
11 Schuyler Court, Bayonne
Leonard, M. J. 1 *s* 14 W. 101
Leonard, W. M. *nm c*
2420 Seventh ave.
LeRoy, R. 3 *l* 28 Seventh ave.
Leslie, E. E. 1 *s* 619 W. 113
Leslie, E. H. 2 *s* 616 W. 114
Lesser, M. L. 2 *c* 308 W. 88
Lessey, B. ph *3157 Broadway*
Lester, C. F. ph *115 W. 84*
Lester, C. F. *pl* Elizabeth, N. J.
Leuchs, F. A. H. *ph* 370 E. 145
Leuchs, M. J. C. *gr t* 370 E. 145
Levene, H. 4 *t* 12 Attorney
Leveridge, E. S. 1 b *277 E. B'way*
Levin, L. A. O. 1 *m* 22 E. 120
Levine, M. *ph* 155 Madison
Levine, O. 3 *c* 48 W. 114
Levinthal, I. H. 3 *c* 353 W. 123
Levison, L. H. 2 *c* 122 Riverside Dr.
Levonian, L. K. 4 *t* 346 W. 57
Levy, F. S., Jr. 1 *l*
110 Central Park W.
Levy, B. *nm l* 202 E. 68
Levy, H. C. nm b *305 W. 70*
Levy, I. J. 4 *m* Hartley
Levy, J. 3 b *202 E. 68*
Levy, N. 1 *s* 36 W. 128
Levy, S. E. 3 b *431 W. 121*
Lewinski, E. H. *pl* 60 Second ave.
Lewis, C. A. 2 b *417 W. 118*
Lewis, F. R. 1 *m* 161 W. 105
Lewis, L. C. 4 *c* Livingston
Lewis, P. P. *f a* 164 W. 123
Libbey, W. E. 1 *l* Hartley
Lichtenberger, J. P. *pl*
2372 Seventh ave.
Lichtenstein, I. *phar*
1386 Prospect ave.
Lieberman, L. *phar* 322 E. 77
Liebman, L. M. 2 *c*
404 St. Nicholas ave.
Liebler, H. B. 1 *c* Riverside, Conn.
Liebovitz, S. 3 *c* 31 W. 89
Liebowitz, B. 1 *s* 31 W. 89
Lincoln, M. B. 3 t *503 W. 121*
Lindemann, C., Jr. 1 *s*
610 River, Hoboken, N. J.
Lindquist, H. S. *gr. t*
45 Tinton ave., Bronx
Lineberger, J. S. 2 *s* Livingston
Linehan, P. H. *p* 607 W. 138
Lingg, A. S. 4 t
109 St. Paul's ave., Tompkinsville
Linn, P. H. 4 *t* Hartley
Linthlen, W. *f a* 709 Grand
Lipe, M. V. ph *Brooks*
Lipman, B. 1 *c* South Orange, N. J.
Lippmann, H. M. 3 *c* 60 E. 91
Lipstate, W. A. 2 *s* 529 W. 111
Lissauer, A W. 3 *s*
4777 Central Park W.
Litman, T. 1 *s* 115-17 E. 96
Littell, E. D. 3 t *44 W. 99*
Littenberg, S. J. 4 *m* 222 W. 139
Livingston, W. S., Jr. 1 *s* 161 E. 36
Lloyd, K. E. 4 *s* 607 W. 113
Lloyd, L. 2 *c* 3136 Broadway
Lobdell, J. N. 4 *t* Hartley
Lobeck, A. E. 4 *c* Haworth, N. J.
Locke, A. M. 4 t *61 E. 60*
Locke, C. M. ph
253 S. Ninth ave., Mt. Vernon
Locke, P. E. 3 *s* 346 W. 71
Lodge, N. gr t *Whittier*
Loder, G. E. 3 *c*
Post Road, Port Chester, N. Y.
Loening, G. C. 3 *c* 48 W. 59
Loeny, A. A. 2 *s* 610 W. 113
Loehrsen, A. 2 b *2133 Third ave.*
Logan, L. R. 4 t
54 Morningside ave.

Logan, U. 3 b *Pennsylvania ave., Yonkers Park*
Lombard, J. O. 3 *s*
Lommel, G. L. *s*
502 Manhattan ave.
Lone, W. A. 1 *c*
Long, A. I. 4 t *510 W. 124*
Long, D. 2 b
42 Lenox Road, Bklyn.
Long, E. O. p *156 E. 94*
Long, W. B. 2 *m*
Hotel Carlton, W. 54
Loomie, L. S. 3 *s*
36 Morningside ave. E.
Lopez, C. *nm c*
716 St. Nicholas ave.
Lord, F. B., Jr. 2 *l* 36 W. 51
Lord, J. W. 2 *s* 163 E. 71
Loring, S. G. 3 t
24 Valley, Orange
Lothrop, A. P. *p* Hartley
Lourio, A. L. 2 *c*
249 Hewes, Bklyn.
Love, A. J. *nm m* 3440 Broadway
Lovejoy, J. M. 1 *s*
7 Fairview Pl., New Rochelle
Lovell, G. G. 1 b *202 W. 82*
Loveman, M. H. 3 *c* 210 W. 139
Low, J. F. *c*
36 Quinn, Stapleton, N. Y.
Lowe, D. V. 1 *s* Englewood, N. J.
Lowenthal, E. pl *Brooks*
Lowes, M. F. 3 t *147 W. 84*
Lowrey, M. S. 3 t *153 Riverside Dr.*
Lowther, E. A. *pl* 133 W. 4
Lubarsky, L. H. *p* 2 E. 111
Lucas, D. R. *p* 104 W. 83
Lucas, E. D. *ph* 41 E. 69
Lucas, J. M. 3 t
827 President, Bklyn.
Luccock, H. E. *ph* 700 Park ave.
Lucey, M. H. *gr t* 35 W. 119
Ludwig, A. *gr t* 227 N. Henry
Luetscher, G. D. *pl* Livingston
Luhman, C. *c* New Rochelle
Lührs, I. 3 *c* 153 North, Jersey City
Lukens, E. F. 2 *s* 216 E. 61
Lund, L. N. 3 *s*
Lawrence Park, Bronxville
Lupton, E. R. *pl* 338 W. 56
Lupton, J. R. 4 t *503 W. 121*
Luscomb, H. T. 4 *s*
439 Macon, Bklyn.
Luth, E. H. t *54 W. 105*
Lyman, C. S. *p*
Hastings-on-Hudson
Lyman, G. D. *3 m* 231 W. 69
Lynch, G. A. 3 *t* 102 E. 101
Lynch, K. D. 1 *m*
615 Charles, West Hoboken
Lynne, M. pl *500 W. 121*
Lyon, D. O. *ph*
111 Crary ave., Mt. Vernon

McAlpin, K. R. 2 *m* 55 W. 33
McBee, M. V. pl *417 W. 118*
McBride, A. A. *pl* 700 Park ave.
McBride, C. A. *phar* 310 Mortimer ave., Rutherford, N. J.
McBurney, M. 2 *m* 38 E. 31
McCall, R. gr t *Whittier*
McCanliss, L. E. 1 *l* Livingston
McCann, E. O. 2 *s* 510 W. 124
McCann, M. D. 2 b
69 Ashford, Bklyn.
McCarthy, C. A. 4 *m* 145 W. 61
McCarthy, T. 2 *l* 137 W. 120
McCartney, E. B. 4 *s* 429 W. 117
McCarty, S. A. gr t
236 Tyler, Trenton
McChrystal, M. A. 2 *s* Livingston
McClelland, G. W. *ph* C. C. N. Y.
McClenahan, E. M. 1 b *121 E. 40*
McCloskey, J. H. 3 *t* Hartley
McCluskey, R. J. 4 *m* 304 W. 55
McConnell, L. W. 1 *s* 522 W. 123
McConnell, B. E. 3 *s* 429 W. 117
McCormick, M. G. gr t *Whittier*
McCormick, W. J. 1 *l* Livingston
McCoun, Jr., F. H. 3 *c* 39 W. 84
McCoy, Jr., P. J. *c* 414 W. 149
McCreery, J. A. 2 *m*
350 Lexington ave.
McCrorken, E. P. 2 *s* 135 W. 92
McCulloch, P. L. 3 *s* 429 W. 117
McCully, F. M. 3 t *541 W. 123*
McCully, M. S. 4 t *541 W. 123*
McCune, G. 3 t *Whittier*
McDermott, H. V. 2 *c*
850 St. Marks ave., Bklyn.
McDonald, J. O. 3 *m* 346 W. 57
McDonald, M. F. *gr t*
229 Clinton Pl., Bklyn.
McGild, F. C. *gr t* 210 W. 123
McGill, N. W. 1 *l* Livingston
McGovern, R. A. 2 *s* 122 W. 77
McGowin, M. O. 3 t *501 W. 123*
McGrann, W. H. 1 *l* 107 W. 43
McGrath, E. M. 3 t *Madison, N. J.*
McGrath, J. 1 b
McGrath, W. J. *gr t* 621 W. 181
McGinness, F. V. 2 *s*
98 Decatur, Bklyn.

McIntyre, K. A. 1 *s*
146 So. 9th ave., Mt. Vernon
McKanna, E. A. 2 *s* Hartley
McKay, W. W. 2 *m* 94 Lawrence
McKee, E. D. ph *503 W. 122*
McKeen, E. 4 t *Whittier*
McKeever, E. J. 1 b *17 Bank*
McKenna, M. E. p *155 W. 91*
McKennis, H. 3 *l* Livingston
McKenney, W. J. 2 *c* 329 W. 77
McKenzie, W. T. *pl* 700 Park ave.
McKeown, M. J. 3 b
762 West End ave.
McKeown, S. A. *s*
762 West End ave.
McKinlay, C. M. 1 *m*
Tenafly, N. J.
McKinley, V. P. *3 t* 423 W. 118
McKinney, M. E. ph
351 St. Nicholas ave.
McLane, F. M. pl *229 W. 126*
McLaughlin, E. B. 3 t *Whittier*
McLaughlin, P. gr t
2040 Seventh ave.
McLaury, F. 3 *c* 215 W. 115
McLean, C. *4 m* 8 E. 9
McLean, M. 3 b *Brooks*
McLochlin, G. G. 2 *s* 323 W. 89
McLoughlin, W. G. *pl*
558 Jersey ave., Jersey City
McMakin, A. L. ph *527 W. 123*
McMichael, J. *pl* 700 Park ave.
McMillan, M. E. 4 t *525 W. 123*
McMillen, E. ph *18 W. 103*
McMorrow, T. J. 3 *l* 63 E. 93
McNally, K. M. 4 t *250 W. 88*
McPherson, H. 2 b *211 W. 85*
McVaugh, R. 4 *t* 421 W. 121
McSweeney, J. M. phar *144 W. 118*
Mabee, W. S. 4 *c*
794 E. 19, Paterson
Mabrey, H. R. 3 t *Whittier*
MacColl, R. J. 2 *c* 502 W. 113
MacCutcheon, A. M. 4 *s*
544 W. 113
MacCutcheon, Paul J. 2 *s*
Pier 30, N. R.
Macdonald, E. B. 3 b
431 Riverside Drive
MacDonald, W. T. 4 *s* 413 W. 117
MacDowell, T. L. 4 *t* 415 W. 118
MacGibbon, A. K. gr t *430 W. 118*
MacGreevy, W. J. 4 *c* 545 W. 123
MacGregor, C. P. pl *59 W. 69*
MacGuire, C. J., Jr. 1 *m* 120 E. 60
Mack, L. M. gr t *571 W. 159*
Mackby, J. C. *f a* 2 W. 117
MacKay, E. ph *Whittier*
Mackenzie, A. *p* Dobbs Ferry, N. Y.
Mackenzie, E. H. 1 *c* 604 W. 114
Mackintosh, J. H. 1 *c* Hartley
MacLachlan, C. F. ph. *418 W. 118*
MacLean, D. C. *p* 31 W. 129
MacLear, M. 3 t *531 W. 124*
MacLear, M. 3 t *527 W. 124*
Macmillan, B. A. ph *519 W. 121*
MacMurray, C. F. 2 b
Nyack, N. Y.
MacNary, E. E. 4 t
107 Morningside ave.
Macneil, A. R. 4 t *Whittier*
MacRossie, W. 1 *c*
1981 Madison ave.
Madison, H. T. *pl* Barrett Manor
Magarge, S. T., Jr. *p* 503 W. 140
Maguire, C. F. 1 *c* 118 W. 84
Mahnken, L. *f a* Livingston
Mahon, D. H. 1 b *229 W. 138*
Mahon, R. V. 2 *c* 229 W. 138
Maison, E. N. 2 b *Rutherford, N. J.*
Malcomson, M. D. 2 *s*
Maller, J. 2 *s* 417 6
Malmros, N. L. A. 2 *s*
111 1, Yonkers
Manchester, M. I. 3 t *Whittier*
Mandel, L. 2 b *135 Avenue C.*
Mandeville, F. N. 3 *m*
256 Clinton ave., Newark
Mangusè, W. P. *p* 541 W. 124
Manley, A. L. ph *303 W. 133*
Manlove, M. B. 4 t *528 W. 123*
Mann, K. ph *251 W. 100*
Manny, F. A. *gr t* 414 W. 118
Manwell, T. P. 3 t *Whittier*
Mapelsden, R., Jr. 4 *c* 565 W. 113
Mapes, C. D. *s*
Mapes, M. C. 3 *s* 78 Fisher ave., White Plains, N. Y.
Marcus, B. 1 *c* 315 Riverside Drive
Marcus, C. 3 *s* Wave Crest, F. R.
Marcus, C. L. 3 *c*
315 Riverside Drive
Marder, J. D. 2 *s* 222 W. 122
Margolis, L. *p* 12 E. 113
Marilley, E. P. 2 *c* 504 W. 112
Marsley, M. E. ph *Westfield, N. J.*
Markwitz, A. *f a*
886 Park ave., Bklyn.
Marren, M. L. 4 t *Brooks*
Martini, A. S. 3 t *612 W. 184*
Martin, D. M. 1 *l* 44 W. 40
Martin, E. 2 b *510 W. 124*
Martin, E. M. 2 b
Perth Amboy, N. J.

Martin, H. P. 1 *s*
208 Union ave., Mt. Vernon, N. Y.
Martin, M. L. 4 t *Whittier*
Martland, R. 2 *m*
1138 Broad, Newark
Marsden, W. E. 2 *l* Livingston
Marsh, A. G. 2 *s* 558 W. 113
Marsh, D. 3 t 503 W. 122
Marshall, A. M. 4 t
42 Main ave., Elmhurst, N. Y.
Marshall, J. F. *gr t* 1011 Tiffany
Marshall, R. P. 4 *c*
433 Central Park W.
Marshall, T. F. *pl* 700 Park ave.
Marshall, W. R. 4 *s* 1011 Tiffany
Marum, M. G. 1 *s*
576 E. 26, Paterson
Marwick, R. H. 2 *s*
2340 Seventh ave.
Mascord, E. F. gr t *Whittier*
Mason, F. L. 3 *s* 342 E. 152
Massee, E. M. 3 t
47 Claremont ave.
Massell, A. S. *gr t*
1772 Madison ave.
Masterton, R. C. 1 *l* 418 W. 144
Masters, M. P. 3 t *Whittier*
Mastin, F. J. 4 b *415 W. 118*
Mathews, A. W. 3 t *128 W. 11*
Mathews, M. E. 3 t *142 W. 139*
Mathewson, C. A. *p* 519 W. 121
Matteson, C. S. t *125 Manhattan*
Matthews, A. T. *phar*
Matz, L. 2 *s* Hartley
Maul, Wm. F. *nm c* Livingston
Maurer, H. B. *f a*
Hempstead, L. I.
Maurice, A. T. 2 *l* Livingston
Maves, A. E. 3 *l*
2078 Anthony ave.
Maxon, M. 4 b *239 So. Tenth ave., Mt. Vernon, N. Y.*
May, C. E. *p* Livingston
May, E. R. 3 *s*
Mayer, L. 3 *m* 437 W. 59
Mayer, Mac D. *f a*
104 St. Marks ave. Bklyn.
Mayers, L. S. 1 *c* 310 W. 80
Maynard, H. A. *ph* 700 Park ave.
Mead, C. B. *f a* 614 W. 113
Mead, F. S., Jr. 3 *c* 605 W. 113
Mehler, E. S. f a
619 West End ave.
Mehler, L. 3 *c* 619 West End ave,
Meier, G. E. 2 b *1 W. 92*
Mela, H. F. 3 *l* 217 E. 61
Melamed, R. H. *ph* 531 W. 123
Melitzer, S. 3 *c* 246 Rivington
Mellen, H. L. 2 *c* 3609 Broadway
Mellick, A. C. ph *316 W. 84*
Melville, J. W. 3 *c*
162 Columbia Heights, Bklyn.
Melville, N. J. *ph*
E. 165 and Union ave.
Mendelowitz, M. H. 1 *s* 311 E. 42
Mendelsohn, A. 1 *s* 611 W. 114
Menefee, A. B. *s* 530 W. 112
Menke, W. 4 *s* 155 W. 63
Menocal, J. G. 4 *s* Hartley
Merlis, I. 2 *s* 3 Rutgers
Merrett, C. C. ph *Brooks*
Merriam, E. E. 4 t *50 and Tenth ave.*
Merrill, V. I. 4 t *Whittier*
Merritt, E. S. 3 t *Whittier*
Messenger, H. S. 3 b *534 W. 124*
Messer, W. T. *ph*
Messing, M. K. 1 b
78 Broad, Stapleton, S. I.
Metcalf, M. L. 4 t *Whittier*
Metzger, L. G. W. ph *Whittier*
Meyer, A. H. 2 *c* 404 E. 141
Meyer, A. W. *p* 503 W. 121
Meyer, E. G. 1 *s* 108 W. 124
Meyer, F. A. 4 t
15 Cedar Pl., Yonkers
Meyer, H. H. *gr t* 150 Fifth ave.
Meyer, M. E. f a *501 W. 123*
Meyer, M. M. 4 t *418 W. 118*
Meyer, S. M. 3 t *Whittier*
Meyer, V. E. f a *Coytesville, N. J.*
Michailovsky, B. 4 *m* 146 W. 121
Michtom, J. S. 1 *c*
404 Tompkins ave., Bklyn.
Middleton, F. 4 t
366 St. Nicholas ave.
Milbank, H. 3 *l* 154 W. 48
Milholland, W. H. 1 *l* 280 W. 115
Miltman, W. B. 3 *c*
244 Garfield Pl., Bklyn.
Miller, A. B. ph *420 W. 118*
Miller, C. B. 3 *c*
246 Central Park W.
Miller, D. G. 3 *s* 605 W. 112
Miller, D. H. T. 2 *l* Livingston
Miller, E. H. 3 b *73 E. 92*
Miller, F. 1 *s* Westchester, N. Y.
Miller, H. R. 4 *c*
446 Willoughby ave., Bklyn.
Miller, M. A. 4 b *314 W. 104*
Miller, M. C. 3 t *117 W. 115*
Miller, M. E. 4 t *525 W. 123*
Miller, M. R. 3 t
526 Flatbush ave., Bklyn.
Miller, O. L. *pl* 700 Park ave.

Miller, R. C. *nm c*
218 N. James, Peekskill
Miller, W. A. *gr t* Matawan, N. J.
Miller, W. M. 3 t *Whittier*
Miller, W. R. 1 *s* 254 W. 85
Millett, K. B 1 *l* 250 W. 88
Milliken, L. G. 4 t *425 W. 114*
Millis, J. F. *gr t* 557 W. 124
Mills, L. S. 4 *t* 423 W. 118
Miltenberger, A. L. 3 *s* Hartley
Miltenberger, W. 3 *s* Hartley
Minahan, M. E. 3 t *Whittier*
Miner, R. phar *29 Charles*
Minkin, J. S. *ph* 2 E. 115
Minor, S. B. 1 b *Brooks*
Mishkin, V. 4 *s* 79 Clinton
Mitchell, I. T. nm t *Whittier*
Mitchell, J. C. *ph*
707 Washington, Hoboken
Mitchell, M. 4 t *Whittier*
Mitchell, M. J. 3 t *415 W. 118*
Mitchell, W. W. 2 *m* 314 W. 56
Mittag, F. O., Jr. *p* 500 W. 121
Mixsell, H. R. 2 *m* 350 W. 71
Miyata, B. 1 *s* 571 W. 159
Mockridge, R. W. 4 *c*
70 and Col. ave.
Modell, D. A. 4 t 2 E. 111
Moeller, S. A. 4 t *341 W. 57*
Moitrier, W., Jr. 2 *c* Hartley
Molter, H. 2 *c*
51 Jefferson ave., Maspeth
Monks, W. D. *p* 353 S. Third ave.,
Mt. Vernon, N. Y.
Monroe, O. L. 4 *m* 118 W. 64
Monsky, J. 3 *t* 318 E. 9
Monteser, M. J. 2 b *605 Van Cortlandt Park ave., Yonkers*
Montgomery, A. P. 4 *c*
Flushing, L. I.
Montgomery, B. W. pl *Whittier*
Montgomery, W. B., Jr. 2 *s*
Livingston
Moon, W. C. *gr t*
Piermont-on-Hudson
Moon, E. A. p *59 Perry*
Moore, F. W. 3 *s* Livingston
Moore, F. W., Jr. 2 *m*
408a Clinton, Bklyn.
Moore, G. D. 4 *t*
1253 Garden, Hoboken
Moore, H. N. 3 *t* 627 W. 115
Moore, J. H. *ph* 8 W. 119
Morales, L. *f a* 350 W. 58
Moray, B. T. *l* 135 Broadway
Mordecai, E. C. 1 b *319 W. 105*
Morehouse, E. 4 b *247 W. 107*
Moremen, M. L. 1 *l* 420 W. 118
Morewood, F. E. *f a* 86 Front
Morgan, T. C. 3 *c*
1173 Bushwick ave., Bklyn.
Morgan, W. R. 3 *c* 520 W. 123
Morgenstern, A. F. 1 b *45 W. 88*
Morgenstern, G. A. *f a* 520 W. 123
Moriarty, M. L. 3 t
66 Post, Yonkers
Morrey, W. T. *pl* 535 W. 111
Morrill, Otis C. 2 *s* 205 W. 109
Morris, A. B. 2 *c*
169 Warren, Bklyn.
Morris, D. A. *nm s* 143 W. 129
Morris, D. H. *pl* 269 W. 72
Morris, D. H. 3 *m* 611 W. 113
Morris, F. K. *p* 2027 Seventh
Morris, M. J. p *2027 Seventh*
Morris, N. H. 3 t *501 W. 120*
Morris, A. D. 1 *s* 612 W. 116
Morrissey, A. I. 3 t *171 E. 69*
Morrow, E. A. 4 t *Whittier*
Morrow, R. L. 2 *s* 66 W. 40
Morse, L. B. *p* 524 W. 123
Mortimer, A. S. 1 *l* 67 W. 71
Moses, E. F. 2 *c* 222 E. 61
Moses, R. 2 b *103 W. 88*
Mosher, J. A. *ph* Livingston
Moss, A. B. 3 *c* 306 E. 120
Mott, F. D. 1 *s*
309 Nelson ave., Peekskill, N. Y.
Mott, K. 3 *s*
309 Nelson ave., Peekskill, N. Y.
Mott, W. W. 3 *m* 166 W. 121
Mount, G. 1 *m* Hartley
Mucklow, W. B. 2 *s* 614 W. 113
Mulholland, V. I. 2 *s*
2580 Marion ave.
Mullen, J. H. 2 *c* 6 E. 127
Mullen, L. B. *p*
2500 Newkirk ave., Bklyn.
Mullen, R. F. p *420 E. 84*
Muller, A. H. 4 b *166 W. 122*
Muller, F. 2 *s* 1198 Franklin ave.
Muller, H. J. 1 *c* 166 W. 122
Mulligan, A. *t* 46 W. 49
Munson, D. G. *ph*
1052 Lincoln Pl., Bklyn.
Murai, Y. *pl* 700 Park ave.
Murch, H. D. 3 b *Glen Ridge, N. J.*
Murchie, M. I. 3 t
1249 Amsterdam ave.
Murdoch, A. M. 4 t *419 W. 121*
Muriel, J. 3 *s* Hotel Victoria
Murphy, C. A. 2 *l* Livingston
Murphy, E. J. 3 t *Whittier*
Murphy, H. C., Jr. *f a* Hartley

Murphy, H. F. 3 t *147 W. 84*
Murphy, R. K. 2 *s* Livingston
Murphy, W. D. 4 *c* 40 E. 49
Murray, A. 4 t *509 W. 122*
Murray, E. S. *c* 164 W. 96
Murray, H. F. 2 *c* 514 W. 122
Murray, J. A., Jr. 2 *c* 419 W. 147
Murray, J. E. ph *527 W. 124*
Murray, J. N. 1 *s* 419 W. 147
Murray, L. H. *3 t* 248 W. 129
Murray, L. S. *f a*
77 Mountain ave., Montclair
Murray, T. R. 4 *c* 339 E. 87
Murray, V. B. 1 *m*
111 Fordham Road, E. Fordham
Murray, W. S. *pl ph* 419 W. 121
Murtha, M. W. 4 b
549 Riverside Drive
Murtland, C. 3 t *312 W. 121*

Nail, E. ph *131 W. 58*
Nammack, C. H. 3 *c* 42 E. 29
Nammack, E. F. ph
Nammack, M. 2 b *42 E. 29*
Nash, L. 3 t *Whittier*
Nash, R. F. 4 *c* 526 W. 114
Nasmith, A. I. *ph* 700 Park ave.
Nassau, M. B. F. 3 t *Whittier*
Nathan, C. J. 1 *s* 12 W. 74
Nathan, S. 3 *s*
1390 Boston Road, Bronx
Nathans, A. J. 4 t
Hotel Colonial, 81 W.
Naughton, H. J. 1 *m*
Nauheim, M. 2 *c*
96 Neilson ave., Far Rockaway
Navarro, J. R. *s* 557 W. 124
Nave, M. D. 3 *l* 329 W. 124
Naylor, H. R. 1 *s* 9 Murray
Neergaard, A. E. 2 *m* 151 W. 70
Negus, J. C. 4 c Hartley
Neilson, J. *p* Hotel Majestic, 72 W.
Nelken, A. 3 t *Whittier*
Nelms, W. S. *p* Hartley
Nelson, A. P. *ph* 175 Ninth ave.
Nelson, C. G. *pl* 3924 Broadway
Nelson, N. E. 4 *t*
924 Prospect ave., Bronx
Nessler, E. C. 4 t *300 W. 109*
Neuman, A. 2 *c* 294 Broome
Neumann, H. *ph*
Haven ave., cor. W. 169
New, F. D. *ph*
Madison ave. and 51
Newbold, H. 3 b *508 W. 113*
Newell, R. 4 t 522 W. 123
Newhouse, E. L., Jr. 1 *c* 71 B'way
Newman, C. A. P. *gr t*
958 Prospect ave.
Newland, M C. 4 b *550 W. 113*
Newton, E. 1 *s* 60 St. Nicholas ave.
Newton, N. L. ph *Whittier*
Nichols, D. M. 4 t *Whitiier*
Nicholson, A. M. gr t *540 W. 122*
Nicholson, J. H. 4 t *Whittier*
Nielsen, K. 4 t *500 W. 121*
Nieto, L. E. *c*
Battery Park Building
Nifenecker, E. A. *pl* 585 W. 178
Nighman, C. E. 3 *c* 616 W. 114
Nilsen, A. 4 *m* 27 W. 88
Nishimoto, I. *pl* 121 W. 64
Niswauger, L. 4 t *Whittier*
Nitchie, E. 2 b
137 Prospect Park W., Bklyn.
Nixon, L. E. ph *245 W. 14*
Noble, R. 2 *c* 304 W. 77
Noble, W. C. *pl* Madison, N. J.
Nolan, A. A. nm t
979 Intervale ave., Bronx
Norden, N. L. 3 *c* 101 W. 118
Norris, E. L. pl
134 W. 32, Bayonne
Norris, G. 1 *l* 565 W. 113
Norris, J. S. *ph* 541 W. 123
Norsworthy, L. D. 2 *s* 557 W. 124
Nottingham, J. R. 2 b *Brooks*
Novomesky, E. 1 *s*
1412 Crotona ave., Bronx
Noyes, A. G. pl *618 W. 114*
Noyes, J. W. 1 *c* 7 Park ave.
Nye, B. H. 3 *c*
118 Locust Hill ave., Yonkers
Nyitray, E. 3 b *983 Lexington ave.*

Oakley, T. P. 3 *c*
1 Mt. Morris Park W.
Oakley, W. W. 2 *s* 420 W. 144
Oberndorfer, M. 1 b
1037 Lexington ave.
Obler, D. M. 2 *s* 192 Rivington
O'Brian, L. E. 2 *s*
O'Brien, J. 2 *c* Hartley
O'Brien, J. G. 3 b
247 Marcy ave., Bklyn.
O'Brien, M. B. 3 t *128 W. 95*
Ockers, L. E. 1 b *Brooks*
Ockert, F. W. 1 *s* 254 W. 104
O'Connor, F. F. 2 *s* Hartley
O'Connor, V. A. *l* 698 Decatur
O'Conor, J. A. 1 *m* 30 W. 60
O'Conor, N. J. 1 *l* 24 E. 33
O'Donnell, P. J. *ph* 135 E. 96
Odell, B. B. *nm c* 627 W. 115

Odencrantz, L. C. pl *260 W. 122*
O'Donnell, A. T. 2 b
2681 Briggs ave., Bronx
O'Donnell, H. *nm c* Hartley
O'Donnell, M. M. A. 2 b
2681 Briggs ave., Bronx
Oesterlein, C. R. ph *19 W. 129*
Offner, R. 1 *c* 114 E. 54
Ogden, A. 3 *c* 612 W. 116
Ogden, C. J. *ph* 250 W. 88
O'Gorman, A. M. 1 b *318 W. 108*
O'Gorman, E. 3 b *318 W. 108*
O'Gorman, J. M. 3 *t* Hartley
O'Kane, G. E. 4 *t*
460 Kosciusko, Bklyn.
O'Keeffe, L. L. 3 t
320 Halsey, Bklyn.
O'Neale, M. L. 2 *s* 417 W. 114
Oldham, M. 3 t *Whittier*
Olinger, H. C. 4 *s*
625 Lexington ave.
Oliphant, J. *ph* 72 Madison ave.
Oliver, J. W. *gr t* Hartley
Olsan, H. 3 *m* 1840 Madison ave.
O'Mahoney, J. C. 4 *c* 544 W. 113
Openhym, W. A. 3 *l*
352 Riverside Drive
Oppenheim, E. 3 b *13 W. 88*
Oppermann, G. A. 4 t *Whittier*
O'Reilly, G. 3 t
428 No. Broad Elizabeth
Orvis, E. M. ph *Brooks*
Osborne, E. W. 2 *c*
73 St. and B'way
Osborne, J. J. *ph* Hartley
Osborn, S. R. 2 *s* New Dorp, S. I.
Osheimer, C. *pl* 17 Concord
Osterhout, E. H. 2 *c*
Osterhout, W. B., Jr. 4 *c*
500 W. 122
Otis, A. H. *c* 157 W. 119
Otis, E. K. 4 *t* Hartley
Outterson, B. E. 3 t *Whittier*
Overman, B. 3 *s*
391 West End ave.
Owen, W. R., Jr. 2 *s* Livingston
Owens, J. L. 3 t *540 W. 159*

Paddock, B. H. *ph* Madison, N. J.
Paddock, L. 2 *c* 141 W. 70
Paddock, R. 2 *c* 141 W. 70
Paffard, H. T. 1 *m*
238 Clinton, Bklyn.
Paine, A. M. 4 t *505 W. 122*
Paine, W. E., Jr. *c* 328 W. 108
Palliser, G. A. *f a*
1397 Ocean ave., Bklyn
Palliser, M. B. 2 b *Brooks*
Palmer, E. A. 2 b *657 W. 183*
Palmer, F. W. 3 *t*
513 7, College Pl., L. I.
Palmer, H. 4 *c* 344 W. 84
Palmer, J. H. *ph* Wakefield
Palmer, L. A. gr t *235 E. 18*
Palmer, W. F. 1 *s* 537 W. 121
Palmer, W. M. 3 *l* Hartley
Panaroni, A. G. *ph* 460 W. 131
Parmelee, M. 3 t *Whittier*
Pardee, H. E. 3 *m* 74 W. 48
Parker, A. R. 1 *s* 160 W. 141
Park, J. L., Jr. 1 *l* 627 W. 115
Parmenter, E B. 4 t *Whittier*
Passman, M. O. *f a* 141 W. 113
Pascale, V. 2 *m* 49 Grove
Paterson, A. H. 1 *s* 118 E. 53
Patterson, F. A. *ph* Livingston
Patterson, F. M. *pl* 700 Park ave.
Patterson, R. C., Jr. 1 *s* Livingston
Patterson, S. G. *ph* 503 W. 121
Patterson, S. W. *gr t* 343 W. 23
Paton, F. W. 3 *m* 356 W. 57
Patten, P. 3 b *76 Etna, Bklyn.*
Patton, J. ph *Brooks*
Paul, E. M. 4 t *422 W. 115*
Paul, H. G. *ph* 511 W. 122
Paul, W. A. 3 *c*
301 Academy, Jersey City
Paulsen, G. W. 1 *c*
542 Mt. Hope Pl.
Payne, F. *p* 520 W. 123
Peabody, J. D. 2 *l* 224 Madison ave.
Pearce, C. M. 2 *s* 429 W. 117
Pearl, J. *ph* C. C. N. Y.
Pearson, W. D. 2 *c* 158 W. 106
Pearson, P. C. *pl* 175 Ninth ave.
Peck, J. A., Jr. 2 *s* Pelham Manor
Peiser, D. W. 1 *l* Hartley
Pell, H. C. Jr. *nm c*
116 and Broadway
Pell, W. H. 3 *c* 404 W. 115
Pendleton, C. 3 t *Whittier*
Pennell, M. L. 1 b *Brooks*
Percival, H. S. ph 175 Ninth ave.
Perez, P. E. *phar* 300 W. 112
Perham, B. E. 4 t *524 W. 123*
Perkins, E. M. ph *25 W. 93*
Perkins, M. A. p *32 W. 38*
Perkins, E. C. 2 *m* 346 W. 57
Perling, J. 4 *c* 440 Manhattan ave.
Pernessin, N. 4 t *600 W. 114*
Perrier, J. L. *ph* 65 E. 83
Perrine, H. 4 *c* 820 West End ave.
Perry, A. C. F. 3 *s*
New Brighton, S. I.

Perry, E. M. ph *404 Third, Bklyn.*
Perry, R. M. 4 *s* 531 W. 113
Perry, W. F. *pl*
954 Boulevard, Astoria
Pershing, C. L. 4 *t* 118 W. 64
Peshkin, H. C. 4 *s* 47 Delancey
Persons, W. Frank *pl* 105 E. 22
Peter, G. L. 1 *s*
410 Central Park W.
Peter, W. F. 3 *l* Livingston
Peters, J. L. 1 *c*
410 Central Park W.
Peters, W. F., Jr. 1 *s*
410 Central Park W.
Petersen, L. S. 1 *m* 112 E. 85
Peterson, M. L. 4 b
935 College ave.
Peterson, W. H. *p* 226 E. 16
Pettit, W. S. *ph* 700 Park ave.
Pettit, A. F. T. ph *Brooks*
Peyser, E. R. 4 t *330 W. 85*
Peyser, H. F. 3 *c* 101 W. 80
Peyton, G. S., Jr. 2 *s* 605 W. 113
Pfeiffer, E. H. 2 *c* 2 W. 94
Phelan, R. E. 2 *s*
Phelps, W. W. 3 t *Whittier*
Phelippoff, B. D. 1 *s* 5 W. 125
Phillips, C. D. 3 t *508 W. 122*
Phillips, E. 3 b *35 Riverside Dr.*
Phillips, E. H. 1 *c* 54 W. 95
Phillips, E. S. J., Jr. *f a* 335 W. 71
Phillips, H. S. 3 b *35 Riverside Dr.*
Philson, J. De L. 1 *s*
16 Alice Court, Bklyn.
Phipps, C. F. gr t *Montclair, N. J.*
Phipps, H. M. 1 *m* 346 W. 57
Phipps, C. E. 4 t *417 W. 114*
Picard, M. 1 *c* 45 Park Place
Piel, H. G. *s* 245 W. 72
Pierce, M. B. 2 *l* Livingston
Pierce, M. B. *l* Livingston
Pierson, E. M. gr t *Whittier*
Pierson, H. O. 1 *l* 608 W. 113
Pignol, G. A. M. ph
594 E. 4, Bklyn.
Pinckney, M. L. 4 t *200 W. 88*
Pino, E. V. 1 *s* 102 E. 15
Pitner, I. K. 4 t *418 W. 118*
Pitt, S. 1 *c*
254 Cedar Rd., New Rochelle
Planer, C. H. 3 t
333 Hudson, Hoboken
Plaskett, G. M. *ph* 175 Ninth ave.
Platt, R. F. 2 b *259 W. 109*
Platto, C. C. 3 t *Whittier*
Plaut, E. 2 b *302 Central Park W.*
Plummer, M. 1 b *253 W. 143*
Points, T. S.
84 Storm ave., Jersey City
Poland, E. E. 3 t
12 Cambridge Pl., Bklyn.
Polhemus, M. B. 1 b
980 Boulevard, Astoria, N. Y.
Poll, D. 2 *m* 603 3, Bklyn.
Pollard, G. nm t *76 W. 105*
Pollock, W. D. 4 *t* Richmond Hill
Pomeroy, A. L. ph
140 Highland ave., Orange
Pond, L. M. *f a* Livingston
Poole, K. E. p *Brook's Hall*
Popper, J. 3 *m* 739 E. 152
Porter, A. K. *f a*
320 Central Park W.
Porter, C. H., Jr. 4 *m*
Porter, E. E. 2 *m* 149 W. 73
Porter, G. H. *pl* Livingston
Porter, H. M. 1 b
175 Beech, Yonkers
Porter, W. R. 3 *l* 149 W. 73
Porterfield, A. W. *ph* Hartley
Potter, G. R. 3 t *Whittier*
Powell, A. L. 2 *s*
Rockville Centre, N. Y.
Powell, F. J. 3 *l* 331 E. 17
Powell, H. W. *p* 73 B'way
Powell, L. M. *gr t* 503 W. 121
Powell, T. R. *pl* Hartley
Powers, D. T. *gr t* 256 W. 121
Powers, L. W. 1 *s* 772 Park ave.
Prahl, J. A. 4 t *455 W. 143*
Pratt, E. E. *pl* 528 W. 123
Pratt, E. L. 1 *m*
Pribble, E. E. 3 t *501 W. 121*
Price, W. R. *ph* 65 B'way
Price, H. 3 *c* Livingston
Pride, O. L. *ph* 700 Park ave.
Pritz, B. *f a* 503 W. 121
Prochazka, O. 1 b *138 W. 13*
Procknow, C. S. 3 t
Port Chester, N. Y.
Propp, W. A. 1 *c* 228 W. 140
Prout, W. S. 1 *s* Scarsdale, N. Y.
Prince, J. F. 4 *c* 429 W. 117
Pryor, K. B. *phar* Hartley
Pullis, L. A. *nm c* Bay Shore, N. Y.
Puorro, M. 3 *t*
82 Underhill ave., Bklyn.
Purves, E. K. pl *146 E. 36*
Putnam, M. P. gr t *Whittier*
Putton, L. E. ph *88 Madison ave.*

Quackenbos, G. P. *ph* 331 W. 28
Quinby, E. M. 4 b
13 Davis ave., White Plains, N. Y.

Quinby, M. G. 3 b *Brooks Hall*
Quinn, M. K. 4 b *Brooks Hall*

Rabinowitz, B. M. *p* 310 E. 19
Rabinowitz, E. N. *ph* 531 W. 123
Rade, H. S. 1 *c*
417 Miller ave., Bklyn.
Radin, M. *ph* 844 Teasdale Pl.
Radin, P. *ph* 844 Teasdale Pl.
Raffety, H. 1 *l* Hartley
Ragsdale, O. M. *nm l* Livingston
Rahenort, W. L. *gr t* 315 W. 97
Rainey, M. C. 4 t *Whittier*
Rainsford, L. F. 3 *m* 53 E. 20
Rambo, S. M. gr t *Whittier*
Ramsay, M. 4 t *458 W. 20*
Ramsdell, E. G. 4 *m*
342 Convent ave.
Ramsdell, C. H. 2 *c*
342 Convent ave.
Rand, A. E. *ph* Livingston
Randolph, F. C. F. *t* 425 W. 114
Randolph, F. M. F. 1 b *425 W. 114*
Ranger, E. A. 4 t *38 E. 73*
Ransom, R. S., Jr. 1 *s* 338 W. 77
Ranson, A. A. 3 *m* 314 W. 56
Raphael, A. L. 2 *s* 329 E. 124
Rapoport, D. 4 *t* 21 W. 111
Rapp, P. L. 2 *c* 492 Third ave.
Rathjen, A. 1 *l* Hartley
Raucher, J. B. Z. *ph* 233 E. 22
Rawcliffe, E. 2 b
South Chestnut Drive, Bronx
Ray, J. R. *ph* Livingston
Read, F. W. 2 b *201 W. 112*
Read, H. 2 *l* Livingston
Reber, John *ph* Livingston
Reblet, E. B. *c* 343 E. 68
Redding, H. E. pl *1320 52*
Redmond, D. W. *pl* 505 W. 141
Redmond, K. C. 4 t *519 W. 123*
Reed, A. Z. *pl*
Reed, D. B. 4 *m* 346 W. 57
Reed, H. B. 2 *m* Sea Bright, N. J.
Reed, L. A. 2 *c* 46 W. 83
Reed, L. R. 4 *c* 147 E. 61
Reeder, G. A. 2 b
Hastings-on-Hudson
Reesor, M. 4 t *418 W. 118*
Regan, M. F. 3 *t* Hartley
Reid, C. *nm c*
876 West End ave., N. Y. C.
Reid, M. J. 1 b
58 Morningside ave.
Reid, M. J. 3 t *519 W. 121*
Rehmann, E. 4 b *504 W. 112*
Reide, J. F. 1 *c* 884 West End ave.
Reidy, M. J. 2 *m* 123 W. 61
Reilly, D. C. 2 b
22 Post ave., Port Richmond
Reilly, F. A. 1 *l*
137 So. Third ave., Mt. Vernon
Reilly, J. J. *ph* Hartley
Reiley, K. G. ph *B'way and 103*
Reichling, G. A. 3 *c*
127 Putnam ave., Bklyn.
Reindollar, t *Whittier*
Reiner, J. L. 1 *l* 521 W. 123
Reitlinger, B. H. ph *120 W. 70*
Reinhold, C. K. 4 t *163 W. 121*
Reizenstein, C. L. 4 *s*
1340 Madison ave.
Rejall, A. E. *gr t* Hartley
Remington, H. W., Jr. 3 *s*
354 Convent ave.
Remsen, W. 2 *c* 612 W. 116
Renshaw, A. 1 *c* 612 W. 116
Renshaw, P. 1 *s* 612 W. 116
Renton, M. 2 b
207 Schermerhorn, Bklyn.
Renton, S. H. 2 *c*
207 Schermerhorn
Renwick, H. B. 2 *c*
116 and Riverside Drive
Reppenhagen, L. t *500 W. 121*
Requa, A. 4 b *536 W. 142*
Restrepo, L. *s* 365 Edgecombe ave.
Rethy, J. B. 1 *c* 213 W. 121
Reynar, M. W. 1 b *Brooks*
Reynolds, V. t *419 W. 121*
Reynolds, W. A. *nm l*
176 Amity, Flushing, L. I.
Riblet, G. E. 4 t *343 E. 68*
Rice, E. G. t
247 Claremont ave., Bklyn.
Rice, M. W. 3 *s*
107 Morningside ave.
Rice, M. 3 *c* 973 Second ave.
Rich, L. E. 4 t *Whittier*
Rich, N. E. 3 b *23 E. Second, Mt. Vernon, N. Y.*
Richards, E. M. 3 t
1249 Amsterdam ave.
Richardson, A. A. 3 b
839 Jennings
Richardson, C. H. 3 *m* Livingston
Richardson, E. C. 4 t
475 Waverly ave., Bklyn.
Richardson, I. *gr t* 511 W. 122
Richmond, L. 3 t
98 James, Englewood, N. J.
Richter, S. L. *l* 68 E. 79
Riddle, S. C. 2 *l* Livingston

Ridge, F. I. 2 *m* 35 W. 65
Ridlon, H. gr t *414 W. 118*
Riegel, G. H. 1 *c* 37 W. 81
Riegel, H. 4 *c* 648 E. 11
Riester, L. F. 4 t
210 Alexander ave.
Rilke, O. E. 3 b *681 E. 170*
Riley, I. W. *ph* Livingston
Riley, W. L. 1 *s* 125 W. 92
Rimpo, E. W. 2 *c* Irvington, N. J.
Rinck, W. 2 *c*
127 Quitman, Newark
Rindge, F. H., Jr. 4 *c*
78 Manhattan ave.
Rinehart, G. L. 4 t *Whittier*
Ring, H. M. 4 t *Whittier*
Rinke, A. W. 2 *l* 174 W. 79
Riordon, A. 3 b *110 E. 82*
Rippere, R. H. *gr t*
492 Putnam ave., Bklyn.
Ripperger, W. L. 1 *s* 50 W. 130
Riblet, G. E. 4 t *343 E. 68*
Ristine, F. H. *ph* Hartley
Roantree, W. F. *gr t*
15 Wadsworth ave.
Robbins, F. S. 4 t *417 W. 120*
Robbins, L. W. 4 t *94 Lawrence*
Robbins, S. 3 t *Whittier*
Robert, Ch. S. 2 *s*
1121 Martine ave., Plainfield
Roberts, C. M. *pl* 619 W. 113
Robert, D. R. 1 *m*
97 Columbia Heights, Bklyn.
Roberts, E. D. *gr t* Livingston
Roberts, F. W. *p*
Central ave., Ft. Lee
Roberts, J. S. *gr t* 21 Beekman Pl.
Roberts, P. L. 3 *s*
38 So. Parsons ave.
Roberts, W. H. 4 *m* 304 W. 55
Robertson, H. S. *ph* 317 W. 23
Robertson, M. L. p *319 W. 57*
Robie, M. 4 *c*
Amsterdam ave., cor. 103
Robinson, C. 4 t *521 W. 122*
Robinson, E. M. gr t *439 W. 123*
Robinson, E. D. 3 b
2214 Andrews ave.
Robinson, J. S. 1 *l* Livingston
Robinson, K. D. 2 *s* 498 W. 136
Robinson, L. B. 1 *m*
Robinson, L. H. 2 *c* Hartley
Robinson, T. A. 2 *s* Hartley
Robinson, W. J. p
2776 Decatur ave., Bedford Park
Robison, C. H. *gr t* Hartley
Roche, E. S. 1 *c* Livingston
Rockey, Paul 4 *m* 231 W. 69
Rockwood, J. P. 3 *s* Hartley
Rockwood, N. O. 2 *c* Hartley
Roddewig, G. W. 3 *s* 69 W. 93
Rodenburg, J. T. 2 *s* 444 W. 44
Rodes, F. L. 4 t *25 W. 93*
Rodman, H. pl *430 W. 124*
Roe, O. L. 3 b *310 W. 98*
Roeder, R. L. 2 *c* 202 W. 103
Roelkey, D. E. *p*
Roessler, E. W. *ph* Livingston
Rogers, C. T. *c* 254 W. 133
Rogers, G. S. 3*c* 516 W. 142
Rogers, J. O. 3 t *Whittier*
Rogers, L. 4 t
194 Clinton, Bklyn.
Rogers, R. E. 3 *l* 228 Madison ave.
Rogoff, H. *ph* Thatford ave., Bklyn.
Roig, H. J. 2 *l* Livingston
Romagna, A. J. 4 *c*
2421 Prospect ave.
Rome, J. P. 3 *c* 458 Manhattan ave.
Rome, S. 3 b
334 Schermerhorn, Bklyn.
Roome, A. H. 4 t *49 W. 9*
Roome, C. T. 4 *m* 346 W. 57
Rose, F. E. 2 b *Hackensack, N. J.*
Rosebush, F. H. *ph* 611 W. 135
Rosenbaum, C. 2 *m*
693 Columbus ave.
Rosenbaum, E. J. *pl*
Rosenblatt, B. A. 2 *l*
1666 Bathgate ave.
Rosenblatt, F. F. *pl* *195 Clinton*
Rosenbloom, J. 3 *m* Livingston
Rosenfelder, F. 3 b *Brooks*
Rosensohn, M. 3 *m* 246 Henry
Rosenthal, D. C. *ph* 515 W. 134
Rosenthal, G. J. 2 *c* 7 W. 120
Rosenthal, L. B. 3 *m*
1111 Madison ave.
Rosinger, S. *ph* 531 W. 23
Ross, C. T. 2 *m* 365 W. 55
Ross, G. H. 2 *s* 605 W. 113
Ross, W. N. 1 *c* 449 W. 123
Rothberg, J. B. 4 *s*
1045 Bedford ave., Bklyn.
Rothenberg, A. 4 b *Brooks*
Rothschild, D. 1 *s* 586 E. 165
Rothschild, L. O. 3 *c* 251 W. 138
Rothschild, M. 3 *s* 825 E. 163
Rothschild, M. A. 4 *c* Hartley
Rothwell, A. S. 1 *c* 144 W. 76
Rothwell, V. H. 1 *s* 144 W. 76
Rott, M. *f a* 4 E. 60
Rounds, W. S. *pl*
2206 Beverly Road, Bklyn.

Roura, K. F. 3 nm t
244 Jefferson ave, Bklyn.
Rouse, E. C. 4 *c* 429 W. 117
Roux, W. C. 3 *c* 33 First ave.
Rowell, G. F. gr t *540 W. 122*
Rowley, C. D. 1 *c* 148 W. 83
Roy, E. C. 3 *l* Livingston
Roy, M. M. 3 *c* 500 W. 122
Rubenovitz, H. H. *ph* 529 W. 123
Rue, M. A. 3 t *Whittier*
Rudensey, A. 1 *c*
92 Walnut, Montclair
Rufle, F. C. 1 *c* 103 W. 101
Runge, O. E. 1 *c*
783 Bushwick ave., Bklyn.
Runtz-Rees, C. ph *Greenwich, Conn.*
Runyon, C. 3 *l* Yonkers
Runyon, H. De M. 1 b
West Summitt, N. J.
Rupp, F. L. 2 *s* 604 W. 114
Rushmore, E. M.
129 Montague, Brooklyn
Rusk, E. gr t *636 Columbus ave.*
Russell, G. E. 4 t *500 W. 121*
Russell, M. C. 3 t *94 Lawrence*
Russell, W. L. *gr t* 59 W. 76
Rutledge, W. C. 4 *m* 346 W. 57
Ryan, H. W. 1 *c* Ossining, N. Y.
Ryan, J. J. 2 *s* 466 Lenox ave.
Ryan, W. C. *ph* 151 E. 127
Ryba, J. *l* 336 E. 71
Rydene, A. P. 4 t *427 W. 154*
Rypinski, J. E. 2 *s* 142 W. 105

Sabourin, M. L. 4 t
52 Stuart ave., Arlington, N. J.
St. John, F. B. 3 *m* 231 W. 69
Sachsse, K. ph *18 Morningside ave.*
Sackett, H. A. 4 t
125 Brookfield ave., Nutley, N. J.
Sackett, N. *p* Hartley
Safier, I. E. *f a*
Sage, E. 3 t *2337 Broadway*
Sage, G. N. 2 *l* 520 W. 123
Sait, E. McC. *pl* Hartley
Salmowitz, R. L. 1 b
23 Broome, Bklyn.
Salsbury, N. 3 *c* 30 W. 96
Salzano, F. 3 *c* 49 Watts
Samek, B. 3 b *567 W. 113*
Sammet, F. 4 b *158 W. 120*
Samuels, A. B. *ph* 135 W. 142
Samuely, N. 1 *s* 535 Fifth
San, L. J. 3 *c*
104 Franklin ave., Passaic
Sanborn, M. L. 1 b
1477 Lexington ave.
Sanders, B. 3 *c* 62 W. 83
Sandford, G. 1 b *Piermont, N. Y.*
Sanford, C. H. 2 *m* 822 Eagle ave.
Santelices, D. 3 *s* Chilian Consulate, 43 Exchange Pl.
Sapinsky, B. 3 b *Brooks*
Sargent, A. H. *ph* 700 Park ave.
Sasnett, M. R. 3 t *418 W. 168*
Saul, G. E. 1 b
429 Ninth ave., L. I. City, N. Y.
Saunders, C. ph
Vassar Coll., Poughkeepsie, N. Y.
Saunders, F. H. 2 *s* Hartley
Savitz, H. E. 2 b
43 Ross Pl., Westfield, N. J.
Savitz, L. B. 4 b
43 Ross Pl., Westfield, N. J.
Saxe, B. D. *ph* 659 E. 165
Saxe, J. G. 2 *s* 126 E. 19
Sarton, M. D. ph *Edgewater, N. J.*
Sayer, L. E. pl *505 W. 122*
Scales, E. R. 3 b
62 Garrison ave., J. C.
Schaeffer, S. 4 *m* 109 E. 88
Schaffer, F. P. 2 *l* Livingston
Schaie, M. 3 *m* 125 W. 115
Schapiro, M. S. 2 *s* 326 E. Houston
Schaul, J. S. 3 *c* 35 W. 126
Scheib, R. 2 *c* 3430 Park ave.
Schellitzer, M. *ph* 128 E. 60
Schermerhorn, A. C. 3 *c* 25 E. 79
Scheuer, H. G. 3 b *Brooks*
Schiffer, J. W. 3 *c* 22 W. 76
Schlachting, L., Jr., 1 *s*
1822 Brooklyn ave., Bklyn.
Schlauch, W. S. *p*
2083 Daly ave., Bronx
Schlesinger, G. 1 *c*
75 W. Tremont ave.
Schlesinger, M. D. 3 b
9 Tower Pl., Yonkers, N. Y.
Schlesinger, M. L. *ph* 9 Tower Pl.
Schlichten, G. Wm., Jr. 1 *c*
116 Amsterdam av.
Schlossman, W. M. 2 *c* 11a W. 118
Schlottman, G. 1 *s*
2383 Davidson ave., Bronx
Schmelzel, C. 2 *c* 18 W. 56
Schmidt, A. M. 1 *c*
556 McDonough, Bklyn.
Schmidt, E. G. *fa*
353 Halsey, Bklyn.
Schmidt, J. W. *f a* 301 E. 155
Schmidt, M. L. 3 t *419 W. 121*
Schneeberg, D. *pl* 7 W. 116
Schnepp, C. F. 2 *s*
Ridgefield Park, N. J.

Schneider, G. B. 2 *s*
112 Riverside Drive
Schneider, W. S. *f a* 120 W. 88
Schmid, A. R. 3 *c* 171 W. 71
Schoedler, L. H. 1 b
422 Ditmars ave., Steinway, L. I.
Schoonmaker, H. S. 3 *s* 201 W. 127
Schott, M. 3 t 60 St. Nicholas ave.
Schottland, J. *ph*
1270 Madison ave.
Schramm, E. 3 *s* 552 W. 141
Schramm, E. B. 4 b *510 W. 124*
Schrenkeisen, F. G. 2 *c* 294 W. 92
Schreiber, W. ph 140 Lewis
Schroeder, L. C. 1 *m*
Schroeder, L. C. 1 *m* 607 W. 113
Schuler, M. W. 3 *t* 520 W. 123
Schultz, H. S. 3 *c* 604 W. 114
Schultz, L. C. 1 *c* 604 W. 114
Schulz, G. F. *ph* 218 W. 133
Schumacher, K. J. 2 *s*
174 St. Nicholas ave.
Schur, R. P. 2 *c*
4 Hamilton Terrace
Schureman, E. M. 4 t *Whittier*
Schuyler, E. *p* 156 Halsey, Bklyn.
Schwarte, J. J. 2 b *402 W. 124*
Schwartz, L. L. *pl* 35 W. 119
Schwarz, H. 3 t
1125 Lexington ave.
Schwarz, H. F. *ph* 20 E. 61
Schwarz, J. O. 3 *s*
1038 Fifth ave.
Schwarz, R. 3 *s* 312 W. 99
Schwarz, W. M. 2 *l* 312 W. 99
Schwerin, N. P. ph
Broadway and 101
Scoril, C. B. 3 *c* Livingston
Scott, F. W. 1 *m*
New Brunswick, N. J.
Scott, J. W. A. 2 *c* 15 E. 229
Scott, T. K. 3 *s* 361 W. 121
Scribner, C. E. 2 *l* Livingston
Seabury, H. M. *f a* 417 W. 117
Seager, A. L. 3 t *Whittier*
Sears, J. D. *pl* Hartley
Seaton, C. M. pl *431 W. 121*
Secor, M. R. ph *Arlington, N. J.*
Seekell, G. E. 3 t *Whittier*
Seelman, H. E. ph *410 4, Bklyn.*
Segard, C. P. *s* 125 Manhattan
Seglin, G. M. 4 *t*
581 Boulevard, Bayonne
Seguine, E. C. 2 b
Rosebank, S. I.
Seidenberg, R. *f a* 24 E. 99
Selder, H. B. *nm c*
Selig, S. 3 *l* Hartley
Sellers, B. M. 3 t *130 W. 96*
Sellew, W. H. 3 *c* 78 E. 79
Selvage, N. 2 *c*
14 Osborne Terrace Newark, N. J.
Selvidge, R. W. 4 *t* Hartley
Semel, A. L. 2 *s* 1855 Seventh ave.
Seniza, F. C. p
136 Boulevard, Hoboken, N. J.
Serhey, B. 4 *s* Pocantico Hills, N. Y.
Seringhaus, E. H. p
954 Eighth ave.
Sessa, T. G. 4 *c* Hartley
Sessler, M. K. 1 *c* 1 W. 89
Setchanove, R. J. 3 *c*
1115 Jennings, Bronx
Seveso, A. 1 b *43 Tillary, Bklyn.*
Sewyn, O. M. 4 *s* 50 E. 91
Sexton, A. J. G. 2 *c*
172 Cleveland, Orange, N. J.
Seymour, R. B. 2 *c*
689 President, Bklyn.
Shafer, G. C. 2 *l* 145 Riverside Dr.
Shaffner, C. L. nm t *Whittier*
Shaiduroff, M. N. 2 *s* 153 E. 86
Shakespeare, N. E. 1 *s*
56 E. 238, Woodlawn
Shale, B. B. 3 b 955 West End ave.
Shapinsky, A. T. 2 *l*
1835 Seventh ave.
Shapiro, I. F. 1 *m* 181 Madison
Shapiro, L. M. 3 *l* 16 W. 115
Sharlitt, M. *gr t* 459 W. 123
Shaver, E. C. *pl*
687 Amsterdam ave.
Shaw, A. G. 2 b *Brooks*
Shaw, E. L. 2 b *411 W. 145*
Shaw, G. M. 1 b *White Plains, N. Y.*
Shaw, J. M. 2 *c* 627 W. 115
Shaw, M. B. 1 b *411 W. 145*
Shaw, R. C. 3 t *Whittier*
Sheehan, P. 2 *l* Hartley
Scheinman, L. 1 *m* 12 Jefferson
Sheldon, A. E. *ph* 313 W. 112
Sheldon, A. E. ph *313 W. 112*
Shelley, L. D. 3 t *229 W. 115*
Shelton, W. B. 2 *l* 51 E. 29
Shenton, H. N. *pl* Madison, N. J.
Sheridan, J. M. *nm m* 22 E. 190
Sherman, D. 4 t *Whittier*
Sherrer, F. Q. *l* Livingston
Sherwood, W. 3 t *526 W. 122*
Shields, J. *nm c* 139 Christopher
Shientag, B. L. 3 *l* 106 W. 114
Shimmon, A. S. 4 *c* Hartley
Shively, M. R. 3 t *345 W. 122*
Shoemaker, I. O. 3 t *Whittier*

Shoenfeld, H. F. 2 *c* 14 E. 76
Shoninger, E. 4 t *52 W. 83*
Shuntaro, H. *pl* 17 Concord, Bklyn.
Shurley, A. R. 1 *c* 47 W. 63
Shuto, S. 1 *c* 182 High, Bklyn.
Shwitzer, M. 1 c 16 E. 96
Sibbel, A. J. 3 *m*
1749 Topping ave.
Sibley, C. A. 4 t *Whittier*
Sicher, D. F. 2 *l* 533 W. 149
Sickels, K. H. 1 b
476 Central Park W.
Sidell, R. H. 1 b *223 W. 104*
Siegel, A. B. 3 *l* 24 W. 94
Siegel, M. E. *gr t*
41 Center, Tottenville
Siewers, G. L. nm t *Whittier*
Sigafus, A. E. 3 t *510 W. 124*
Silberberg, B. p *435 W. 123*
Silberstein, N. *gr t* 32 W. 112
Silbernagel, L. 3 b *60 W. 96*
Sillcox, C. M. 3 b *527 W. 121*
Silleck, W. M. 4 *m* 19 W. 122
Silverman, H. 1 *l* 171 E. 81
Silverman, S. 2 b *45 E. 75*
Simar, Th. E. 4 t
940 Amsterdam ave.
Simon, H. 1 *s* 22 Mt Morris ave.
Simons, I. 4 *m*
Simons, L. G. 4 t *180 W. 88*
Simpson, B. R. *gr t* Hartley
Simpson, E. 2 *l* 1831 Seventh ave.
Simpson, P. 1 *s* Hartley
Simpson, S. A. 3 t *501 W. 123*
Simpson, N. J. P. 4 *s* 544 W. 113
Simner, F. pl *503 W. 121*
Singer, E. A. 3 t *Whittier*
Sinsabaugh, M. M. 3 t *Whittier*
Sitterly, E. F. *ph*
Lincoln ave., Flatlands, Bklyn.
Skinner, A. *nm c*
American Museum Nat. History
Skinner, E. L. 4 t *Whittier*
Skinner, H. C. 3 *c* Livingston
Skinner, R. W., Jr. 2 *l*
200 Lafayette ave., Bklyn.
Skutch, I. 4 *c*
998 Sterling Pl., Bklyn.
Slade, H. E. 3 *s* 519 W. 124
Slater, F. W. p
338 Lexington ave.
Slawter, Rose D. 1 b
46 W. Fourth, Mt. Vernon, N. Y.
Slaymaker, R. J. 4 t
Westfield, N. J.
Sloan, H. S. 2 *c*
240 Garfield Pl., Bklyn.
Sloane, C. O'C. 3 *s* Livingston
Sloane, F. J. 4 *m* 105 E. 69
Sloane, J. E. 4 *c*
55 Montrose ave., S. Orange
Slutsky, H. 1 *c*
627 Marcy ave., Bklyn.
Small, J. E. G. *pl* Union Theol. Seminary, 700 Park ave.
Smallwood, R. F. *f a* 48 E. 57
Smart, A. M. 3 t *101 W. 80*
Smead, H. B. 2 *s* Livingston
Smith, A. 1 *l* Livingston
Smith, Alex H. 2 *s* Hartley
Smith, A. J. 2 *s* Livingston
Smith, B. G. 3 t 205 Glenwood ave., East Orange, N. J.
Smith, B. H. 4 t *Yonkers, N. Y.*
Smith, B. T. 3 t *Whittier*
Smith, C. F. 4 *t*
10 St. Nicholas Terrace
Smith, D. F. nm b *Brooks*
Smith, E. 3 b *122 Washington, Mt. Vernon, N. Y.*
Smith, E. B. 4 *t* Livingston
Smith, E. P. 2 *c* Livingston
Smith, E. I. 3 t *1 W. 72*
Smith, F. C. 3 *m*
102 Monroe, Bklyn.
Smith, F. H. *p* 201 W. 94
Smith, F. M. ph *418 W. 118*
Smith, F. Y. t
Smith, G. 2 *c*
19 Essex ave, Orange, N. J.
Smith, H. D. *f a* 528 W. 123
Smith, H. F. *gr t* Livingston
Smith, J. A. *nm s* 293 E. 10
Smith, J. C. *ph* 430 Fourth, Bklyn.
Smith, J. H. *pl* 700 Park ave.
Smith, L. ph *1266 Amsterdam ave.*
Smith, M. C., Jr. 4 *s* 157 W. 119
Smith, M. D. F. 3 *c*
25 Madison ave.
Smith, M. L. 3 t *540 W. 159*
Smith, M. I. nm t *425 W. 118*
Smith, R. L. *pl*
1292 Amsterdam ave.
Smith, W. M. *p* 2626 Broadway
Smith, W. M. 4 *m*
Smithers, A. E. 3 b *425 W. 144*
Smithers, H. G. 3 b *425 W. 144*
Smythe, R. H. *f a*
123 Amity, Bklyn.
Snead, C. G., Jr. 2 *l* 34 W. 136
Snevily, H. M. 4 *c* 616 W. 114
Snider, I. 3 *t* 181 E. Broadway
Snook, C. P. 4 *s* 565 W. 113
Snook, N. A. 3 t *Teachers College*

Snook, T. E., Jr. 2 *s* 605 W. 113
Snow, C. W. *ph*
N. Y. U. University Heights
Snyder, A. gr t
236 Tyler, Trenton, N. J.
Snyder, E. R. *gr t*
1249 Amsterdam ave.
Solis, M. E. *c* Fiora Ville, W. 116
Solomon, M. *ph* 24 E. 113
Solomons, C. B. 3 t Hotel Colonial, 81 and Columbus ave.
Sommers, S. A. *nm l* Hartley
Sonking, W. W. 2 *s* 605 W. 113
Sonn, C. H. 1 b 411 West End ave.
Soper, W. B. 4 *m* 137 W. 14
Soule, E. W. 2 *s* 2020 Walton ave.
Souter, C. D. 1 *l*
277 Belleville ave., Newark
Spencer, F. B. 1 *c*
1124 Tinton ave.
Spence, K. M. 2 *l* 320 W. 75
Spencer, C. B. 2 *s*
1124 Tinton ave.
Spalding, L. F. 2 b 18 Woodland ave., New Rochelle, N. Y.
Spalding, S. H. 3 *s* 18 Woodland ave., New Rochelle, N. Y.
Spaulding, L. C. ph 411 W. 115
Spiegel, L. F. 2 *l*
887 West End ave.
Spiers, H. W. 1 *m* Hartley
Spingarn, Herman 1 *l*
184 Vernon ave., Bklyn.
Spingler, A. 4 t Whittier
Spetz, E. F. 2 *l*
265 Kosciusko, Bklyn.
Spitzer, B. 2 *s* 411 E. 88
Spooner, G. B. p Whittier
Sprague, W. B. 2 *l*
333 Sanford ave., Flushing, L. I.
Springer, A. p Whitier
Sprung, A. 2 *s* 126 W. 118
Squier, C. B. 2 *c* 140 W. 69
Staber, H. ph
Stableford, R. G., Jr. 2 *c*
8 Poplar, Bklyn.
Stadler, B. F. 3 t 550 W. 148
Stafford, R. W. 2 *s* 306 W. 137
Stagen, R. M. 1 b 18 Castleton ave., West Brighton, S. I.
Stagg, H. J., Jr. 3 *s*
428 Central Park W.
Stair, B. W. *ph* Livingston
Stamm, C. L. 3 t 25 N. Seventh ave., Mt. Vernon, N. Y.
Stanley, A. A. 3 t 41 W. 84
Stanley, E. O., Jr. 2 *l* 418 W. 118
Stanley, J. H. 1 *l* Livingston
Staples, H. F. 3 t Whittier
Stanton, P. D. nm b Roslyn, L. I.
Stapff, H. 1 b 421 E. 76
Starbuck, W. L. 3 *s* 614 W. 113
Stark, W. E. *t*
12 Cornell ave., Yonkers
Stauffer, Vernon *ph*
Union Theol. Sem., 700 Park ave.
Stayton, J. W. 4 *c*
61 Locust Hill ave., Yonkers, N. Y.
Stearn, M. F. 3 b
Van Corlear Pl., Kingsbridge
Stearns, A. P. ph
Stearns, S. B. ph
53 Waller ave., White Plains
Steele, A. T. 4 t Whittier
Steele, E. 4 t
192 Bloomfield ave., Passaic, N. J.
Steffens, J. A. *ph*
7224 Fifteenth ave., Bklyn.
Stehl, H. J. 1 *m* 150 E. 40
Steigman, B. M. 1 *s*
1600 Madison ave.
Stein, G. R. 4 b
292 Manhattan ave.
Steinberg, P. 4 t
541 Monroe ave., Elizabeth, N. J.
Steinbrenner, E. L. 4 t Whittier
Steinecke, J. A. 1 b
55 1-2 Lynch, Bklyn.
Steiner, J. 3 *c*
40 Clay, Newark, N. J.
Steiner, S. H. 3 *m* 75 W. 183
Steinman, D. B. 3 *s* 324 E. 15
Steinmetz, F. C. 3 *c* 352 W. 19
Steinschneider, W. 2 *s*
2098 Valentine ave.
Steitz, A. *ph* 530 Linden, Bklyn.
Stepanek, B. ph 423 W. 118
Stephens, I. M. 3 t Whittier
Stephens, R. 1 *c* Hartley
Stephens, S. D., Jr. 1 *c* Hartley
Stephenson, R. 3 *c* *22 Bank*
Stephenson, R. W. 2 *c* Hendrik Hudson, 110 and Riverside Drive
Sternberg, E. 2 *c*
1323 Broadway, Bklyn.
Sterritt, J. E. 2 *c*
Stevenson, R. *p* 2881 Broadway
Stewart, Mrs. A. C. nm b 23 W. 84
Stewart, C. 1 b 180 Claremont ave.
Stewart, J. L. 4 *t* Livingston
Stewart, N. 1 b 259 W. 11
Stewart, R. R. 1 *c* 467 W. 164
Stewart, W. E., Jr. 1 *s*
295 Jamaica ave., Astoria, L. I.

Sticker, H. 1 *c* Livingston
Stickles, L. 2 *c*
957 Broad, Newark, N. J.
Stiles, B. C. 3 t *Whittier*
Stillman, A. L. 2 *s*
532 River, Hoboken, N. J.
Stimson, M. B. 2 b 68 W. 40
Stix, L. C. 4 *s* 496 West End ave.
Stock, J. W. 4 *c*
2710 Decatur ave., Bronx
Stoddard, O. S. 4 *t*
81 Ludlow, Yonkers
Stockly, H. A. 3 *s* 605 W. 113
Stoll, M. *s* 75 E. 119
Stone, E. W. 1 *c*
1128 Bedford ave., Bklyn.
Storer, H. M. 3 t *Freeport, L. I.*
Storey, D. H. 4 t *437 Sixth, Bklyn.*
Stork, V. E. 3 *m* Hartley
Story, H. V. 2 *c* 307 W. 90
Story, M. 4 t *519 W. 121*
Stout, R. A. *ph*
New Brunswick, N. J.
Stowell, A. R. 3 b *Brooks*
Stowell, D. D. 1 *m* 313 W. 70
Strasburger, A. *nm c* 66 E. 66
Strasburger, S. M. 1 *c* 411 W. 115
Strauss, M. J. 4 b *45 W. 68*
Streeter, D. D. 3 *c* Livingston
Streeter, S. G. p
210 Sip ave., Jersey City
Strehan, G. E. 3 *s*
350 West. West Hoboken, N. J.
Streibert, E. K. 4 t *Whittier*
Streubel, Ernest J. *ph*
169 Lefferts ave., Bklyn.
Stringfellow, E. G. 3 t *Whittier*
Strippel, A. E. 1 *s* 102 E. 112
Strobel, R. L. *nm s* Livingston
Strong, A. McI. 4 *m* 250 W. 82
Strope, A. 3 t *430 W. 124*
Stroud, C. E. 4 t *417 W. 120*
Struthers, H. H. 3 *s* 1 W. 132
Stryker, L. M. 1 b
9 Lake, White Plains
Stuart, C. E. 1 *s* 302 W. 116
Study, G. W. 3 *l* Livingston
Sturtevant, M. G. *m*
Sturtevant, W. P. 2 *l* 611 W. 111
Suffern, A. E. 4 *t* 446 W. 124
Sugarman, M. H. *f a*
1648 Madison ave.
Sullivan, A. G. 3 *m* 23 W. 65
Sullivan, V. F. 2 *c* 130 E. 78
Sullo, N. A. 1 *m* 686 Eagle ave.
Sumner, C. *m* 137 W. 14
Sunderland, B. 3 t *Whittier*
Sutcliffe, A. B. *gr t* Hartley
Sutton, M. E. 4 t *Whittier*
Suydam, S. M. 4 t
c/o W. D. Suydam, 137 B'way
Suzuki, Y. *ph* 700 Park ave.
Swain, E. gr t *Whittier*
Swain, P. L. 2 *l* Livingston
Swanton, R. L. 2 *c*
124 St. James Pl., Bklyn.
Swartwout, E. W. 4 *s* 558 W. 113
Swartwout, F. R. 4 *c* 558 W. 113
Swartwout, R. G. *f a* 558 W. 113
Swartz, A. M. 4 t *Whittier*
Sweeney, M. M. 2 *m* 318 W. 23
Swenson, M. E. 3 b
209 Amity, Flushing, L. I.
Swenson, S. J. 3 t
500 W. 121, c/o Mrs. Ball
Swick, D. A. 2 *m*
1683 Lexington ave.
Swift, P. E. 2 *m*
95 Winthrop, Bklyn.
Swords, A. T. 4 *c*
1390 Prospect ave.
Syverson, T. S. 2 *s* 605 W. 113
Szanto, S. 1 *s*
103 Ave. D, c/o Klein

Tachna, M. 1 *l* 35 W. 111
Taggart, L. D. 3 *t*
30 Willow, Bklyn.
Takasugi, Y. *pl* 39 W. 9
Talcott, W. L. *nm l*
Cragsmoor, 419 W. 115
Tallant, J. D. 2 *s* 614 W. 113
Talpey, E. M. 3 b *537 W. 123*
Tamraz, E. *ph* 300 W. 117
Tannenbaum, S. W. 2 *c* 58 E. 123
Tanzer, H. H. ph *294 W. 92*
Tarbell, F. W. 4 *m*
Tate, A. D. *ph* 700 Park ave.
Tattershall, L. M. 4 b *Brooks*
Taylor, E. C. *f a* 544 W. 113
Taylor, E. W. *nm s* 544 W. 113
Taylor, H. G. p
Hawthorne, New York
Taylor, H. W. 3 *c* 156 E. 38
Taylor, J. S. ph
265 Linden ave., Bklyn.
Taylor, R. *ph* Livingston
Taylor, S. G. 2 *c* 334 W. 85
Taylor, S. P. 1 *s* 123 W. 85
Telenko, Wm. *f a* 9-11 E. 107
Ten Brook, G. J. 4 *m* 402 W. 58
Ten Eick, C. A. 3 t *3 W. 122*
Terry, A. H., Jr. 2 *m* 346 W. 57
Theobald, J. Jr. *t* 203 W. 108

Thomas, A. D. *pl* Livingston
Thomas, D. *pl* 700 Park ave.
Thomas, D. S. 4 t *Whittier*
Thomas, H. A. 4 *s* 430 W. 116
Thomas, J. J., Jr. 3 *t* 503 W. 121
Thomas, P. B. *nm c* 430 W. 116
Thomas, W. L. 2 *s* 175 W. 72
Thompson, C. M. pl *Whittier*
Thompson, E. C. 3 *s*
304 State, Bklyn.
Thompson, G. 3 t *161 W. 103*
Thompson, L. I. 3 b *103 W. 128*
Thompson, L. S. *s*
1373 Washington ave., Bronx
Thompson, M. p
Norsemere, Ridgefield, N. J.
Thompson, M. M. 3 *s*
Norsemere, N. J.
Thompson, N. *pl*
St. Joseph's Seminary, Yonkers
Thompson, O. 2 b *163 W. 105*
Thompson, S. H. *gr t* 435 W. 123
Thompson, W. C. 1 *s*
Thompson, Wm. S. *f a* 116 W. 127
Thomson, E. 1 b *568 W. 161*
Thomson, E. S. nm b *Whittier*
Thomson, J. L. 4 t *214 W. 128*
Thomssen, E. G. *p* 607 W. 113
Thorne, E. F. 1 b
Washington ave., Nyack, N. Y.
Thorne, F. 4 *t* 503 W. 122
Thorne, N. 1 b
418 St. Nicholas ave.
Thornton, A. E. *nm l* Livingston
Thornton, S. F. *c*
229 Hinsdale, Bklyn.
Threll, I. 3 *s* 66 E. 114
Tiemann, K. H. 1 b
208 St. John's Pl., Bklyn.
Tiffany, J. de F. nm b *27 E. 72*
Tilney, F. *p* 47 Pierrepont, Bklyn.
Titsworth, S. S. pl
47 Claremont ave.
Tobey, K. H. gr t *Whittier*
Tobias, D. F. 2 *s* 132 W. 126
Todd, H. C. *c* Livingston
Todd, J. C. *pl* Brentwood, L. I.
Todd, N. M. 3 t *1006 E. 151*
Tomes, M. A. nm t *328 W. 57*
Tompkins, G. B. 4 *m*
104 Park ave., Paterson
Tooker, N. B. 2 *m* 231 W. 69
Tooker, H. C. *c* 343 Broadway
Tortora, A. T. 3 *c* 315 E. 53
Touart, M. D. 4 *m* 306 W. 56
Tough, F. B. 3 *s* 519 W. 121
Townsend, C. 3 t *511 W. 122*
Townsend, E. B. 4 *c* Hartley
Townsend, E. 4 t *Whittier*
Townsend, J. W. 1 *m* 7 W. 87
Traitel, L. 4 b *58 W. 95*
Trapp, M. 3 t *Whittier*
Travis, C. M. 2 *l*
146 Quincy, Bklyn.
Tredwell, E. A. S. T. nm b
57 W. 106
Tripp, L. E. 4 t *525 W. 123*
Tripp, M. O. *p*
Lincoln Park, Yonkers
Tripp, W. A. 3 *c*
103 Monroe, Bklyn.
Troeger, E. E. 4 t *507 W. 124*
Trosk, Charles *ph*
1631 Eighth ave., Bklyn.
Trosk, C. 2 *l*
1631 Eighth ave., Bklyn.
Trott, J. C. *f a*
668 Park Pl., Bklyn.
Trottier, T. 3 t *501 W. 122*
Trowbridge, M. C. 3 t *Whittier*
Trowbridge, S. D. *f a* 76 W. 105
Troy, L. L. 4 t *525 W. 123*
True, R. S. 2 *c* 328 W. 83
Truesdell, W. B. *p*
1508 Amsterdam ave.
Tschudy, E. A. 1 *s* 209 E. 45
Tuchton, I. B. 3 t *Whittier*
Tucker, D. G. 1 *l* 126 W. 85
Tupper, A. G. 3 *s*
Tupper, H. A. 3 t *109 W. 102*
Tupper, W. D. 1 *s*
79 Chestnut, East Orange
Turnbull, A. G. 4 b
Tuckahoe, N. Y.
Turnbull, L. S. 3 b
Tuckahoe, N. Y.
Turner, J. E. ph
521 Clinton ave., Bklyn.
Turner, J. P. *ph* 421 W. 121
Turner, P. A. 4 *m*
Turpin, A. E. 3 *c* 150 E. 18
Tuthill, B. C. 3 *c* 176 W. 86
Tuttle, G. C. 1 *l* 21 W. 36
Twaddle, H. W. 3 *t* Ossining
Tyler, S. E. ph *1027 Park ave.*
Tyreen, J. L. *ph*
1781 Sedgewick ave.

Ulanoff, F. ph *648 E. 183*
Ulanov, N. *f a* 1771 Madison ave.
Ullman, K. B. 1 *l* Hartley
Ullmann, A., Jr. 3 *s*
Overlook Terrace, Yonkers

Ullmann, E. A. 2 *s*
Roberts ave., Yonkers
Ulrich, C. A. ph
1850 Fifty-ninth, Bklyn.
Underhill, A. 3 t *Ossining, N. Y.*
Underwood, A. 3 b
10 Stephen, Belleville, N. J.
Underwood, E. S. pl *563 W. 173*
Ungar, George F. 1 *c* 14 E. 47
Ungard, Mancusi, M. 1 *s*
86 Mt. Prospect ave., Newark
Untermyer, F. *l* 675 Fifth ave.
Utter, H. E. 2 *m* 22 W. 60
Utterback, T. E. *gr t* 519 W. 135
Uyematsu, Y. *pl*
17 Concord, Bklyn.

Vail, E. 4 t *507 W. 124*
Vail, Le R. B. 4 *m* 185 Steuben
Valde's A. P. 1 *s*
200 Riverside Drive
Valentine, C. H. 1 *s* Hartley
Valentine, H. D. *ph*
2324 82, Bklyn.
Van Anda, J. B. 1 b *344 W. 72*
Van Beuren, U. B. 3 *s*
908 Bloomfield, Hoboken
Van Buskirk, A. S. 1 b *21 W. 123*
Vance, R. A. *t* 124 W. 30
Vanderbilt, S. B. t *216 W. 103*
Vanderburgh, F. *ph* 53 Washington
Van Dewater, W. C. *l* Livingston
Van Etten, R. C. 2 *m* 22 W. 60
Van Keuren, H. P. T. 3 *s*
616 W. 114
Van Kleeck, E. 2 *c* 4 W. 123
Van Nuys, C. C. *p* Livingston
Van Tine, A. A. 4 *c*
567 West End ave.
Van Tine, H. 1 *c*
567 West End ave.
Van Vort, R. V. nm t *Whittier*
Van Vosburgh, L. M. 3 t
406 W. 124
Van Zandt, P. G. *ph*
700 Park ave.
Varner, C. E. pl *Whittier*
Vehslage, H. E. 3 *s* 136 W. 70
Veith, H. I. 4 b
1081 Washington ave., Bronx
Ventus, A. B. ph *Bloomfield, N. J.*
Vernon, R. Y. *ph* Florida, N. Y.
Ver Planck, G. A. 3 b
White Plains, N. Y.
Vexler, F. *ph* 54 E. 3
Vietor, J. A. 1 *m* 28 W. 53
Vina, T. A. 3 *m* 137 W. 61
Vincent, H. G. 2 *l* Livingston
Vineberg, S. *pl* 319 W. 116
Vogel, H. *f a* 51 E. 129
Vogel, O. M. 1 *s* Livingston
Völker, H. J. 1 *s*
94 So. Highland ave., Ossining.
Volz, H. C. *f a* Greenwich, Conn.
vom Baur, E. E. 3 b *18 W. 130*
von Galberger, T. *pl* 504 W. 112
von Malmborg, C. A. 2 *s*
477 Central Park W.
von Muffling, E. A. 2 *s*
974 E. 19, Flatbush
von Saltza, P. W. 2 *s*
770 St. Nicholas ave.
von Schrenk, T. 3 *s*
140 East End ave.
von Unwerth, F. ph *527 W. 121*
Vose, J. C. 1 b *134 Decatur, Bklyn.*
Voskamp, J. A. 2 *s* 167 E. 75
Voss, E. R. 4 t *Whittier*
Vulté, G. P. 3 *s*
33 Park ave., New Rochelle, N. Y.

Wachner, E. M. 2 *c* 138 E. 48
Wade, S. F. 3 *m* 346 W. 57
Wadelton, N. L. 1 b
Bronxville, N. Y.
Wadsworth, I. C. 4 t
125 Manhattan
Wadsworth, I. C. 4 t
Wagner, J. A. 2 b *236 E. 31*
Wahlig, R. C. 2 *s*
1562 Crotona Park E.
Waite, E. A. 1 b *Brooks*
Waite, M. G. 3 t
30 Homestead Park, Newark
Waitt, W. H. 2 *s* Livingston
Wales, M. A. 3 t *500 W. 121*
Walker, E. W. 1 *l*
675 Flatbush ave., Bklyn.
Wall, W. B. 1 *s* 522 W. 134
Wallace, H. H. 4 *t* 238 W. 48
Wallace, L. B. nm t *125 E. 24*
Wallin, A. R. *ph*
Kenilworth, N. J.
Wallis, J. E., Jr. 1 *s*
Walsh, J. H. 1 *c* 119 E. 60
Walter, H. W. 3 *s* Livingston
Walters, R. E. 2 *s* 530 W. 123
Walther, J. W. 3 *m*
431 Hopkins ave.
Walton, J. B. *pl* 540 E. 76
Ward, E. H. 3 t *522 W. 123*
Ward, M. H. 1 *m* 129 W. 64
Ward, W. T. 4 *m* 118 W. 64

Wardell, W. S., Jr. 3 *c*
25 Waverley Place, Orange
Wardlaw, F. A., Jr. 2 *s*
608 W. 113
Wardner, D. M. 3 *m*
Pelham Manor, N. Y.
Ware, E. E. pl *Whittier*
Ware, F. 4 *c* 1285 Madison ave.
Waring, A. J. 4 *m* 137 W. 14
Waring, R. A. 3 t *336 E. 17*
Warren, E. L. 2 *m* 350 W. 71
Warren, G. H., Jr. 2 *c*
924 Fifth ave.
Washington, H. J. L. 2 *c*
141 Riverside Drive
Wassam, C. W. *pl* 415 W. 115
Watson, G. L. 1 b
New Brighton, S. I.
Watson, M. D. 3 *c* 159 Ninth ave.
Way, H. D. *f a* 524 W. 123
Wayt, H. I. 2 b
54 Woolsey, Astoria
Weaks, M. C. pl *Whittier*
Weaver, G. M. 1 *s* 170 W. 95
Weaver, J. A. 1 *s* 1133 Broadway
Weaver, P. 4 *c*
25 Jefferson ave., Bklyn.
Weaver, R. M. 3 *t*
12 Jumel Terrace
Webb, H. W. *p* 509 W. 124
Webb, R. D. 2 *c* 248 W. 102
Webber, W. T. *nm c* 515 W. 139
Weber, R. H. *f a*
1 River View Terrace
Webster, D. H. 2 *m*
308 Madison ave.
Webster, J. McB. 1 *s*
752 West End ave.
Webster, L. S. 2 *s*
1453 Lexington ave.
Webster-Powell, A. f a
915 President, Bklyn.
Wechsler, L. A. 2 *s* 122 W. 85
Weed, D. V., Jr. 2 *s* 451 W. 162
Weeks, F. L. 4 t
154 De Bevoise ave., Astoria
Weeks, W. W. 3 *c* 46 E. 57
Weiher, H. A. *f a* 76 E. 86
Weil, A. 1 b *303 W. 100*
Weil, J. 3 *l* 224 E. 60
Weild, D. *ph* 359 Hancock, Bklyn.
Weingart, J. S. 2 *m*
2041 Seventh ave.
Weinstein, D. 3 *c* 2041 Fifth ave.
Weinstein, J. 2 *s*
750 Westchester ave.
Weinstein, M. 2 b *Brooks*
Weisman, Charles *p*
152 Atlantic ave., Bklyn.
Weiss, B. 1 *s* 79 E. Seventh
Welch, E. N. 1 *c* 45 Fifth ave.
Welch, E. W. 1 *s* (Commuter)
Weld, L. D. H. *pl*
1115 Amsterdam ave.
Weldin, W. 4 t *Whittier*
Welles, F. C. 2 *l*
658 West End ave.
Wellington, H. W. 1 *m* 544 W. 113
Wellington, L. 3 t *Whittier*
Wells, G. 4 b *124 W. 77*
Wells, G. F. *gr t* Hartley
Wells, H. E. 4 b *Keyport, N. J.*
Wells, J. D. 2 *l* Livingston
Weltner, P. R. 1 *l* Earle
Wendel, B. F., M.D. 1 *m* 166 W. 65
Wendel, C. E. ph *458 First, Bklyn.*
Werner, P. C. 2 *c* Manhattan Sq.
Werner, O. V. 3 *c*
2592 Atlantic ave., Bklyn.
Wessa, A. 3 t *420 W. 121*
Wessler, H. 4 *m* 40 E. 127
West, C. L. 3 *t* 234 Broad, Newark
West, D. 3 *m* 231 W. 69
West, H. J. 3 *s* 170 W. 85
West, J. R. 2 b *552 W. 186*
Westaway, L. B. 3 b
803 Fifty-eighth, Bklyn.
Westcott, G. E. *f a* Livingston
Westcott, J. V. 2 *s* 413 W. 117
Weston, E. G. 3 b *228 W. 141*
Wetherill, F. N. *pl* 175 Ninth ave.
Weymann, L. C. 1 b *148 E. 16*
Wharton, W. P. *gr t* 168 W. 85
Wheeler, G. M. 4 t *431 W. 121*
Wheeler, I. *c* 165 and Broadway
Wheeler, J. L. 4 *c* 616 W. 114
Wheeler, M. 3 *l* Livingston
Wheeler, M. H. 4 t *Whittier*
Wheeler, W. H. 2 *s* 165 and Broad
Whipple, A. O. 4 *m* 231 W. 69
Whipple, D. W. 2 *s* 544 W. 113
Whipps, W. O. 2 *c* 605 W. 113
Whitaker, F. P. 3 *l* Grantwod, N. J.
White, C. W. *f a* Summit, N. J.
White, F. C. *pl* 1400 Clinton ave.
White, J. L. 3 *m*
Perth Amboy. N. J.
White, M. L. 3 *s* 559 W. 141
White, T. K. 1 *s* Foot of E. 16
White, R. L. 3 *s* 559 W. 141
White, W. C. L. 4 *t*
68 Woodbine, Bklyn.
White, W. J. *ph*
42 Grand ave., Englewood

Whitehead, F. E. *ph*
2 Locust st., Morristown, N. J.
Whiteside, D. G. *ph* 541 W. 124
Whitford, E. E. *p* 523 W. 151
Whitlock, B. McE. 1 *c* 43 E. 87
Whitmore, C. W. *pl* 175 Ninth ave.
Whitney, G. C. 4 *m* 145 W. 61
Whiton, E. S. *gr t* Hartley
Whiton, A. S. *f a* 309 W. 93
Whittemore, E. B. nm t
Riverside and 135
Wicke, C. 2 *l* 34 E. 68
Wickenden, A. A. 2 *s* 7 E. 39
Wickham, J. F. *ph* Hartley
Wickham, R. E. *p* 530 W. 123
Widdowson, J. 4 *t* 530 W. 124
Wiehle, A. L. V. 2 *s* 106 W. 57
Wiener, H. J. 2 *m* 14 E. 60
Wiesner, A. 2 b
12 Union ave., Mamaroneck, N. Y.
Wilbur, C. L. gr t *Whittier*
Wilcox, W. H. *ph*
Wilcox, W. S. 4 t *Whittier*
Wilder, Geo. F. *p*
Flatbush ave., near Church
Wildman, H. V., Jr. 2 *c* 108 W. 94
Wilds, R. H. 2 *m* 365 W. 55
Wile, H. 4 t *Whittier*
Wile, W. D. 2 *c* 332 W. 88
Wiley, Wm. H. 3 *t*
Tarrytown, N. Y.
Wilkerson, F. W. 3 *m* 25 W. 65
Willard, G. L. ph *97 Clark, Bklyn.*
Willcox, M. S. 4 t *Whittier*
Willett, E. M. 3 t *430 W. 122*
Willets, G. 1 b 34 *Mamaroneck ave., White Plains, N. Y.*
Williams, B. C. ph *Whittier*
Williams, B. P. 3 t *209 W. 129*
Williams, C. L. 3 *l*
27 So. Clinton, East Orange
Williams, G. M. 1 *s*
171 Underhill ave., Bklyn.
Williams, H. 2 *s* Livingston
Williams, I. nm t *Whittier*
Williams, M. E. ph *24 W. 61*
Williams, R. G. 3 *s* 531 W. 113
Williams, S. E. 3 t *200 W. 130*
Williams, T. W. 2 *s* Livingston
Williamson, D. B. 3 *s* 450 W. 153
Williamson, G. 4 *s* 558 W. 113
Williamson, N. E. 4 t *Whittier*
Willis, B. 2 *c* Hartley
Willis, E. M. t *519 W. 121*
Wills, E. G. 4 t *Whittier*
Wilselthier, M. L. 3 *m* 215 W. 10
Wilson, J. E. 4 *s*
54 Morningside ave.
Wilson, J. F. *gr t* 94 Hamilton Pl.
Wilson, J. R. 4 *t*
727 E. 23, Paterson
Wilson, M. 3 b
107 Spruce, Newark
Wilson, M. B. 1 b *Brooks*
Wilson, T. A. 2 *s* 256-258 W. 97
Wilson, W. 4 *s* 149 E. 52
Wilson, N. H. *pl*
268 Arlington ave., Bklyn.
Wilson, W. H. 4 *t*
365 Pacific, Paterson
Winchell, C. E. 4 *c*
Winchell, C. M. 3 t
176 Elm ave., Mount Vernon
Winchell, F. E. 3 t
176 Elm ave., Mount Vernon
Windels, P. W. H. 4 *c*
162 Lee ave., Bklyn.
Windle, A. E. 4 t *94 Lawrence*
Winslow, W. S. 4 *s* 614 W. 113
Winter, N. *f a* 201 W. 79
Winter, W. E. 4 *t*
Wise, B. D. 2 *l* 154 W. 76
Wise, H. B. 1 b
110 Central Park W.
Wise, S. L. 1 *s* 28 E. 63
Wiseman, J. S. 3 *t* Hartley
Wisendanger, E. V. *ph*
Woodmere, L. I.
Witcher, L. W. 3 t *Whittier*
Wolbarst, E. S. 2 *c* 24 E. 119
Wolfe, V. L. 4 t *1156 Third ave.*
Wolferz, L. E. 4 *c*
497 Hart, Bklyn.
Wolff, F. M. 4 b *Brooks*
Wolff, L. J. 2 *l* 744 Park Pl., Bklyn.
Wood, A. E. *nm c*
224 17, College Point, N. Y.
Wood, H. 3 b *103 and B'way*
Wood, S. *pl* Newdorp, S. I.
Wood, T. C. 2 *s*
Riverside Drive and 110
Wood, W. L. 4 *c* 612 W. 116
Wood, J. M., Jr. 4 *c*
162 Cleveland, Bklyn.
Woodbury, W. B. 4 *c* Hartley
Woodford, H. T. f a
112 Claremont ave., Mt. Vernon
Woodhull, H. 2 b *501 W. 120*
Woodhull, M. 3 b *501 W. 120*
Woodman, L. E. *p* 524 W. 123
Woodroofe, R. W. *pl* 312 W. 20
Woodson, E. 4 t *Whittier*

Woolsey, C. B. 4 b
Englewood, N. J.
Worcester, J. N. 2 *m* 356 W. 57
Work, N. P. 4 *t*
180 Woodworth ave., Yonkers
Wormser, I. M. 2 *l* 19 W. 91
Worrall, H. D. 1 b *2014 Fifth ave.*
Woticky, C. 4 *s* 445 E. 87
Wright, C. H. 3 t *Summit, N. J.*
Wright, E. H. *ph* Hartley
Wright, W. R. 1 *s* 55 W. 10
Wronker, B. M. 3 *m* 261 W. 127
Wuppermann, C. S. 4 *c* 2 W. 86
Wurthmann, J. W. 1 *m*
1166 First ave.
Wyckoff, E. 4 t *Whittier*
Wye, T. E. pl ph *435 W. 123*
Wyeth, F. S. 3 b
244 Lexington ave.
Wylie, J. D. 3 b *10 W. 96*

Yates, M. H. 4 b *205 W. 101*
Yergason, R. M. 3 *m* 346 W. 57
Yerington, H. H. 4 *m* 231 W. 69
Yokel, A. 2 *c* 68 Kosciusko, Bklyn.
Yokota, Seimatsu 521 W. 123
Yokoyama, Y. 24 W. 59
Youmans, G. L. 3 *s* East Orange
Young, E. D. *gr t* 71 E. 96
Young, J. J. 4 *s*
Cook ave., Elmhurst, N. Y.
Young, J. M. 4 b
336 Fenimore, Bklyn.
Yoxall, E. gr t *Whittier*

Zaccara, A. 4 *c* 320 E. 25
Zach, L. M. 2 *s*
1414 Eastern Parkway, Bklyn.
Zandstra, S. *ph* 700 Park ave.
Zangler, E. C. 3 b
Croton-on-Hudson, N. Y.
Zelaya, A. 4 *m* 337 W. 58
Zelenko, *f a* 9 E. 107
Ziegler, W. H. 1 *c*
166 Congress, Bklyn.
Zimber, Frank E. 2 *s* 417 W. 117
Zimmermann, F. L. 1 *s* Livingston
Zimmermann, H. B. 3 *m* Hartley
Zink, A. *f a* 604 Tinton ave., Bronx
Zion, E. H. 2 *l* 249 W. 21
Zipris, V. V. 2 *c* 53 Lenox ave.
Zirulick, H. *p* 258 Henry
Zobel, A. R. 3 t *1008 Simpson*
Zogbaum, F. 1 *s* 125 W. 87

SUMMARY

OFFICERS

Professors	155	
Adjunct Professors	64	
Clinical Professors and Lecturers	14	
Instructors	86	
Demonstrators	11	
Tutors	39	
Curators	2	
Lecturers and other Special Officers of Instruction	30	
Assistants	71	
Clinical Assistants	73	
University Officers of Instruction		545
Other Instructors in Teachers College		56
Other Instructors in College of Pharmacy		3
		604
University Officers of Administration		17
Other Officers of Administration, Teachers College and College of Pharmacy		8
		25
Emeritus Officers		17
Total		646
Horace Mann School and Speyer School (*not included above*)		79

STUDENTS

Columbia College:		
Fourth-year class	107	
Third-year "	147	
Second-year "	171	
First-year "	153	
Non-matriculated	47	
		625
The School of Law:		
Third-year class	63	
Second-year "	34	
First-year "	84	
Non-matriculated	17	
		248
Carried forward		873

Brought forward		873
The School of MEDICINE:		
Fourth-year class	78	
Third-year "	77	
Second-year "	67	
First-year "	60	
Non-matriculated	8	
		290
The Schools of APPLIED SCIENCE:		
Fourth-year class	63	
Third-year "	129	
Second-year "	193	
First-year "	185	
Non-matriculated	22	
		592
FINE ARTS:		
Architecture	96	
Music	22	
		118
The Graduate Faculties of POLITICAL SCIENCE, PHILOSOPHY, and PURE SCIENCE		910
TOTAL		2783
BARNARD COLLEGE		418
TEACHERS COLLEGE		830
COLLEGE OF PHARMACY (Not included in Directory)		228
TOTAL		4259
Deduct Double Registration		172
NET TOTAL OF RESIDENT STUDENTS		4087
Summer Session Students, 1907		1392
Deduct Double Registration		320
GRAND TOTAL OF RESIDENT STUDENTS		5159
Students in extension courses		2817

October 24, 1907.